MY20 MP Spark

Owner's Manual

Holden

GM Holden Ltd, ABN 84 006 893 232, Holden New Zealand Ltd., Company Number 1602 (hereinafter Holden)

Change of name, address or ownership

If you drive a pre-owned Holden, have moved house or changed any of your details, we'd like to hear from you!

Holden uses your details to keep your vehicle's factory provided Roadside Assistance and Warranty details up to date.

It also helps us let you know if there is an existing rework action required on your vehicle. To update your details, please take a few minutes to fill in and mail the form at the back of the Service & Warranty Booklet or visit Holden's website at: www.holden.com.au/forms/change-of-owner-details

GM Holden Ltd (Holden) is collecting the new owner's personal information in order to process the request for transfer for the specified vehicle. We may disclose your personal information to our related companies and third parties who provide us with (or help us provide) products and services, including to overseas locations such as the USA, and other countries in Europe, Oceania and Asia.
Holden's privacy policy (available at: www.holden.com.au/privacypolicy) states how you can seek to access or correct any personal information Holden holds about you, how to complain about a privacy breach by Holden and how Holden will deal with a privacy complaint.
You can contact Holden on 1800 033 349 or alternatively, you may prefer to email Holden at: holdencustomercare@gm.com

Note: Please refer to the inside front cover of the Service & Warranty Booklet for the Vehicle Identification Certificate.

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Introduction

We thank you for choosing Holden and want to assure you of our continuing interest in your driving pleasure and satisfaction.

This owner's manual applies to the current Spark vehicles. Therefore, due to different models and options, you may find reference in this manual to some equipment not fitted to your own vehicle.

Please note that all information, illustrations and specifications in this manual are based on the latest production information available at the time of printing.

Holden reserves the right to make changes at any time without notice and without incurring any obligation.

Introduction

Your vehicle is a designed combination of advanced technology, safety, environmental friendliness and economy.

This owner's manual provides you with all the necessary information to enable you to drive your vehicle safely and efficiently.

Make sure your passengers are aware of the possible risk of accident and injury which may result from improper use of the vehicle.

Using this Manual

- This manual describes all options and features available for this model. **Certain descriptions, including those for display and menu functions, may not apply to your vehicle due to model variant, special equipment or accessories.**
- The "In brief" section will give you an initial overview.
- The table of contents at the beginning of this manual and within each section shows where the information is located.
- The index will enable you to search for specific information.
- Directional data, e.g. left or right, or front or back, always relate to the direction of travel.
- Display messages and interior labelling are written in bold letters.
- For a complete list of the registered trademarks contained in this manual, see Trademarks and License Agreements. *Trademarks and Licence Agreements ⇨ 176*.

Danger, Warning, and Caution

⚠ Danger

Text marked ⚠ Danger provides information on risk of fatal injury. Disregarding this information may endanger life.

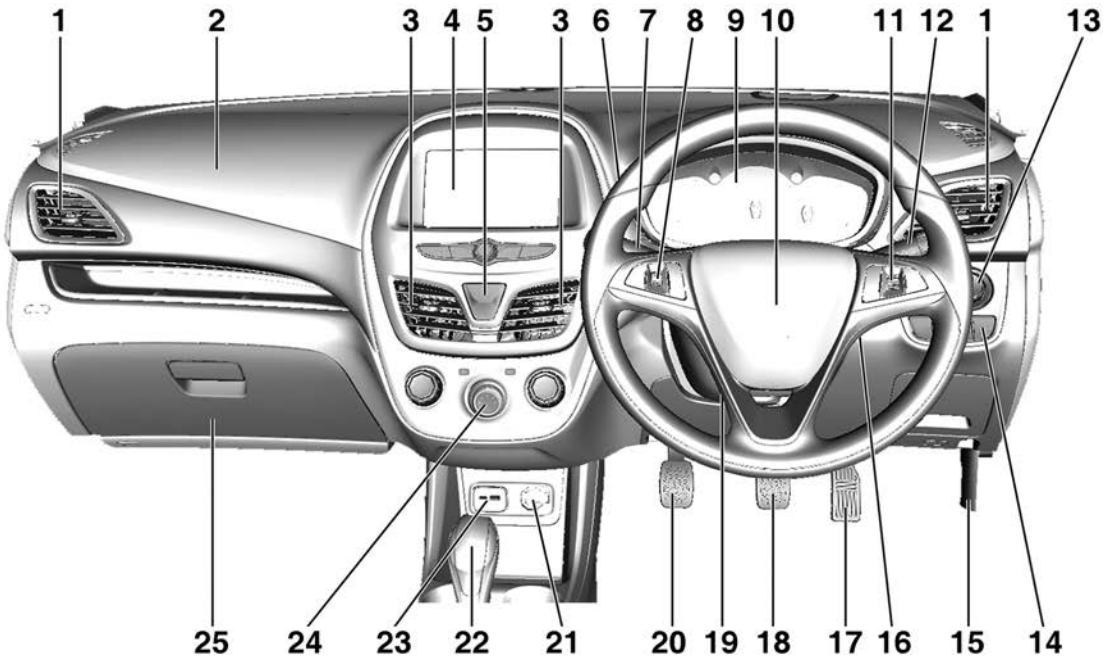
⚠ Warning

Text marked ⚠ Warning provides information on risk of accident or injury. Disregarding this information may lead to injury.

Caution

Text marked Caution provides information on possible damage to the vehicle. Disregarding this information may lead to vehicle damage.

Instrument Panel Overview



1. Side air vents, see *Adjustable Air Vents* ⇨ *96*.
2. *Front Airbag System* ⇨ *32*.
3. Centre air vents, see *Adjustable Air Vents* ⇨ *96*.
4. Infotainment system, see *Overview* ⇨ *72*.
5. *Hazard Warning Flashers* ⇨ *67*.
6. Engine start/stop button, see *Ignition Positions* ⇨ *100*.
7. Windscreen wiper, Windscreen washer system, rear wiper, rear washer system, see *Windshield Wiper/Washer* ⇨ *44*.
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9. Warning Lights, Gauges, and Indicators, see *Speedometer* ⇨ *47*.
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11. *Steering Wheel Controls* ⇨ *43*.
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    Headlamp High/Low-Beam Changer ⇨ *66*.
13. Light switch, see *Exterior Lamp Controls* ⇨ *66*.
14. *Traction Control System (TCS)* ⇨ *114*.
15. *Bonnet* ⇨ *129*.
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17. Accelerator pedal.
18. Brake pedal.
19. *Steering Wheel Adjustment* ⇨ *43*.
20. Clutch pedal.
21. *Power Outlets* ⇨ *46*.
22. Shift lever, *Manual Transmission* ⇨ *110*, *Automatic Transmission* ⇨ *106*.
23. USB Sockets.
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Keys, Doors, and Windows

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Keys and Locks

Keys

Caution
Do not attach heavy or bulky items to the ignition key.

Type 1

Type 2

The key operates all locks and the ignition.

- Press to lock the doors and the tailgate.
- Press to unlock the doors and the tailgate.

Central Locking System ⇨ *11*.

Replacement keys

If a key is lost, a replacement can be ordered through any Holden Dealer by quoting the key code number.

The key code number is specified on a detachable tag.

Type 1 key

1. Press the button to extend the key blade.
2. To retract the key blade, press the button and fold the blade into the key.

   The key engages audibly.

Type 2 key

Press button on the side of the transmitter to remove the key blade.

Do not pull the key out without pressing the button.

About the keys

- The remote control has a range of approximately 25 metres.
- The range depends on the charge of the key battery, on ambient conditions, the key's location and the area between them.

- Take care that no button is pressed unintentionally, especially when the vehicle is out of sight.
- Protect from moisture and high temperatures.

The key buttons may not work if:

- More than 25 metres from the vehicle.
- Battery voltage is too low.
- The key buttons are operated repeatedly while not in range of the vehicle.
- The central locking system is operated at frequent intervals.
- The power supply is interrupted for a short time.
- The vehicle is parked near strong radio activity.

Note

- Avoid dropping the key.
- Do not place heavy objects on the key.
- Keep the key away from water and direct sunlight.
- If the key gets wet, wipe it with a soft cloth.

Remote Control

Remote control battery replacement

Batteries do not belong in household waste. They must be disposed of at an appropriate recycling collection point.

Battery replacement

Caution
Avoid touching the flat surfaces of the battery, the circuit board and other components inside the remote control with bare fingers. Handling will shorten battery life.

As soon as the range of the remote control reduces, replace the battery.

Type 1 key

Use CR2032 (or equivalent) battery.

1. Open the cover.
2. Remove the used battery without touching other components.
3. Install the new battery with the negative side (-) facing down.
4. Replace the back cover.
5. Check key operation.

Type 2 key

1. Press button on the side of the transmitter to remove the key blade.
2. Reinsert the key blade approximately 5 mm and rotate the key blade to remove the back cover, as shown.

Note

Take care that no parts fall out.

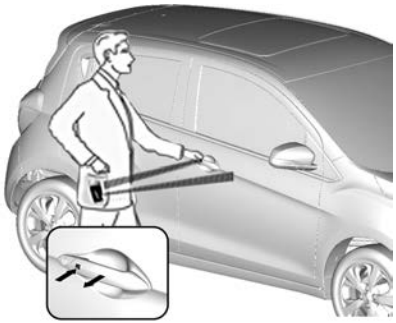
3. Carefully lift the battery up using a flat tool.
4. Remove the battery.
5. Insert the new battery, positive side toward the back cover.

   Replace with a CR2032 or equivalent battery.
6. Replace the back cover. Ensure it clips in place securely.
7. Check key operation.

Remote control synchronisation

After replacing the battery, unlock the door with the key in the driver's door lock. The remote control will be synchronised when the ignition is switched on.

Electronic key system



Enables a keyless operation of the following functions:

- *Central Locking System* ⇨ *11*.
- *Boot* ⇨ *15*.
- *Starting the Engine* ⇨ *102*.

The electronic key simply needs to be on the driver's person.

Additionally the electronic key includes the functionality of the remote control. *Remote Control* ⇨ *9*.

Handle with care, protect from moisture and high temperatures and avoid unnecessary operation.

Note
Do not put the electronic key in the load compartment or in front of the Info-Display.

Replacing battery in electronic key

Replace the battery as soon as the system no longer operates properly or the range is reduced. The need for battery replacement is indicated by a message in the Driver Information centre. *Driver Information Centre (DIC)* ⇨ *56*.

Battery replacement. *Remote Control* ⇨ *9*.

Electronic key synchronisation

The electronic key synchronises itself automatically during every starting procedure.

Fault

If the central locking cannot be operated or the engine cannot be started, the cause may be one of the following:

- Fault in electronic key
- Electronic key out of reception range
- Battery voltage too low
- Overload of the central locking system by operating at frequent intervals, the power supply is interrupted for a short time
- Interference from higher-power radio waves from other sources

To rectify the cause of the fault, change the position of the electronic key.

Central Locking System ⇨ *11*.

Starting the vehicle with a low transmitter battery. *Starting the Engine* ⇨ *102*.

Memorised Settings

Whenever the key is removed from the ignition switch, or for vehicles with electronic key system, after the engine start/stop button is pressed off, the following settings may be automatically memorised by the key:

- lighting
- infotainment system
- central locking system
- comfort settings

A precondition is that Personalisation by driver is activated in the Settings menu in the infotainment system.

This must be set for each key used.

Vehicle Personalisation ⇨ *62*.

Central Locking System

Doors may be locked and unlocked by pushing buttons on:

- The driver's door armrest
- The key, from inside or outside the vehicle
- Front door exterior handles (vehicles with electronic key system)

Note
In the event of an accident in which airbags or belt pretensioners are deployed, the vehicle is automatically unlocked.

Note

The driver's door must be closed for the central locking system to work.

Unlocking

Press .

All doors unlock.

The hazard lamps flash twice.

The setting can be changed in the Vehicle settings menu in the infotainment system.

Vehicle Personalisation ⇨ *62*.

The setting can be saved for the key being used.

Memorised Settings ⇨ *11*.

Locking

Close doors, load compartment and fuel filler flap.

Press .

All doors lock.

The hazard lamps flash once.

If the driver's door is not closed properly, the central locking system will not work.

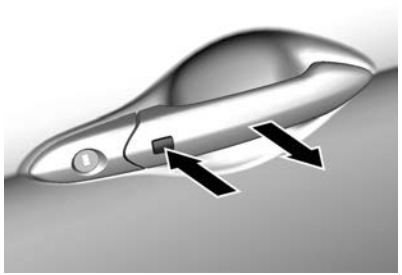
Central locking button

Locks or unlocks all doors and the tailgate from the driver's door.

Electronic key system operation

The electronic key must be outside the vehicle, within a range of approx. one metre of the relevant door side.

Unlocking



Press the button on either front door handle. The doors and tailgate are unlocked.

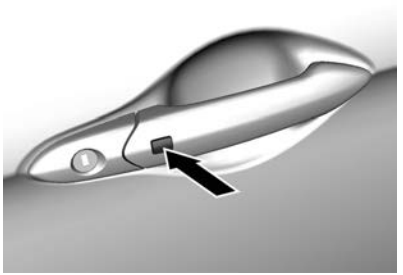
The unlocking mode can be set in the Settings menu in the infotainment system.

Vehicle Personalisation ⇨ *62*.

The setting can be saved for the electronic key being used.

Memorised Settings ⇨ *11*.

Locking



Press the button on either front door handle. The doors and tailgate are locked.

The system only locks if:

- it has been more than 5 seconds since unlocking, or
- the unlock button has been pressed twice within 5 seconds, or
- any door has been opened and then all doors are closed.

If the driver's door is not closed properly or the electronic key remains in the vehicle, locking will not be permitted and a warning tone sounds three times.

If there have been two or more electronic keys in the vehicle and the ignition was on once, the doors will be locked even if just one electronic key is taken out of the vehicle.

Disable/Enable Keyless Unlocking of Exterior Door Handles and Tailgate

If equipped, keyless unlocking of the exterior door handles and tailgate can be disabled and enabled.

Disabling Keyless Unlocking:

With the vehicle off, press and hold and on the RKE transmitter at the same time for approximately three seconds. The indicator lamps will flash four times quickly to indicate access is disabled. Using any exterior handle to unlock the doors or open the tailgate will cause the turn signal

lamps to flash four times quickly, indicating access is disabled. If disabled, unlocking the vehicle with the door key lock will not disarm the alarm system. Press on the RKE transmitter to disarm the alarm system. See *Anti-theft Alarm System* ⇨ *16*.

Enabling Keyless Unlocking:

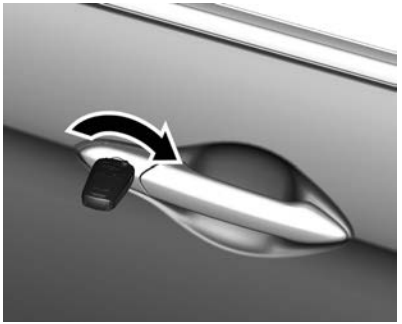
With the vehicle off, press and hold and on the RKE transmitter at the same time for approximately three seconds. The indicator lamps will flash twice quickly to indicate access is enabled.

Unlocking and opening the tailgate

The tailgate and the doors can be unlocked by pressing the button under the tailgate moulding when electronic key is in range.

Fault in remote control system

Unlocking



1. Insert the key into the driver's door by turning the key towards the front of the vehicle.
2. Switch on the ignition and press the central locking button on the driver's door armrest to unlock all doors and the tailgate.

Locking

1. Push the central locking button on the driver's door armrest.
2. Close the driver's door and lock from the outside with the key. Insert the key and turn towards the rear of the vehicle.

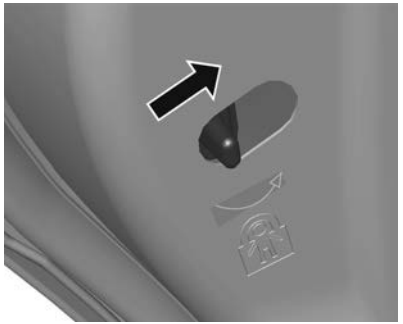
Fault in central locking system

Unlocking

Manually unlock the driver's door by turning the key in the lock. The other doors can be opened individually by lifting the locking knob on each window sill. The tailgate cannot be opened.

Safety Locks

Child Safety Door Locks



⚠ Warning

Use the child locks whenever children are occupying the rear seats.

To prevent the rear doors from being opened from the inside, move the lever to the lock position.

Caution

Do not apply excessive force to the inside door handle while the child safety door lock is activated. Damage may occur.

To open a rear door when the child security door lock is activated, unlock the door and open the door from the outside.

To cancel the child security door lock, move the lever to the unlock position.

Doors

Boot

Tailgate

Opening

To open the tailgate, with all doors unlocked, press the touchpad switch on the underside of the tailgate moulding and lift up.

Central Locking System ⇨ 11.

Closing

Use the inside pull handle to lower and close the tailgate.

Do not press the touchpad switch while closing the tailgate as it will unlock again.

Central Locking System ⇨ *11*.

General hints for operating tailgate

⚠ Danger

Do not drive with the tailgate open or ajar, e.g. when transporting bulky objects. Dangerous exhaust fumes may enter the vehicle. To avoid injury and/or damage to the vehicle, before closing the tailgate check the contact area is unobstructed.

Caution

Before opening the tailgate, check the area above and behind for obstructions, to avoid damage to the tailgate.

Note

Adding heavy accessories to the tailgate may affect its ability to remain open.

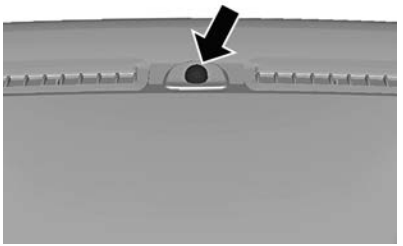
Vehicle Security

Anti-theft Alarm System

It monitors:

- doors, tailgate, bonnet
- ignition

Unlocking the vehicle deactivates both systems simultaneously.



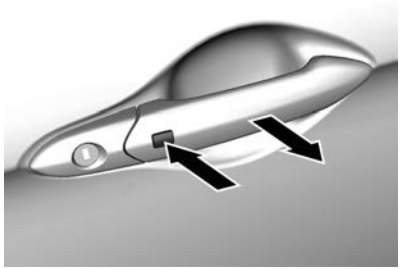
A status LED is integrated in the sensor on top of the instrument panel.

Status during the first 30 seconds of anti-theft alarm system activation:

- LED illuminates: test, arming delay.
- LED flashes quickly: doors, tailgate or bonnet not completely closed, or system fault.

Deactivation

Remote control: Unlocking the vehicle by pressing deactivates anti-theft alarm system.



Electronic key system: Unlocking the vehicle by pressing the button on a front door handle deactivates the anti-theft system.

The system is not deactivated when unlocking the driver's door with the key or with the central locking button in the passenger compartment.

Alarm

The alarm can be silenced by pressing any button on the remote control or by switching on the ignition.

The anti-theft alarm system can be deactivated by pressing or switching on the ignition.

Immobiliser

The immobiliser prevents unauthorised engine starting.

The immobiliser is activated automatically after the key has been removed from the ignition switch, or for vehicles with electronic key system, after the engine start/stop button is pressed off.

If control indicator flashes when the ignition is on, there is a fault in the system; the engine cannot be started. Switch off the ignition and then repeat the start attempt.

If control indicator continues flashing, attempt to start the engine using the spare key and seek the assistance of a Holden dealer.

Note

The immobiliser does not lock the doors. You should always lock the vehicle after leaving it and switch on the anti-theft alarm system. *Central Locking System* ⇨ *11*, *Anti-theft Alarm System* ⇨ *16*.

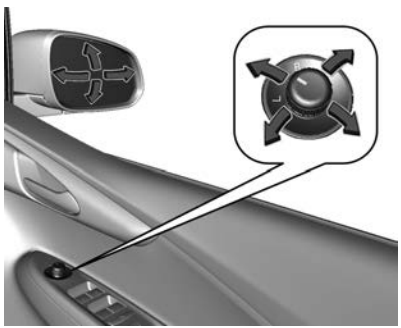
Immobiliser Light ⇨ *55*.

Exterior Mirrors

Convex Mirrors

The shape of the mirror makes objects appear smaller, which will affect the ability to estimate distances.

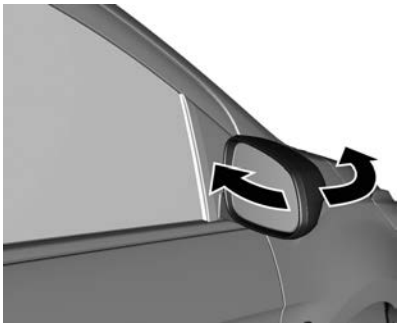
Power Mirrors



Select the relevant exterior mirror by turning the control left (L) or right (R). Then swivel the control to adjust the mirror.

In position 0 no mirror is selected.

Folding Mirrors



When the vehicle is parked, the mirrors may be folded flat against the side of the vehicle.

⚠ Warning

Always extend mirrors outwards when driving to increase visibility. Do not drive while either exterior mirror is folded against the vehicle.

Interior Mirrors

Manual Rearview Mirror

To reduce headlamp glare from following vehicles, push the lever towards the front of the vehicle.

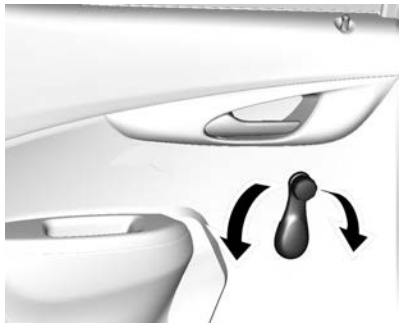
Note

The rear view clarity is reduced when the mirror is set to the anti-glare position.

Return the lever back to its original position as soon as the glare has disappeared.

Windows

Manual Windows



The vehicle may have manual rear door windows.

Windows can be opened or closed by turning the window winders.

Power Windows

⚠ Warning

Before operating the power windows, check they are free of obstructions and that passengers and pets are not in the proximity of the moving window.

The power windows can be operated when the ignition is on.

Operation

Push and hold or pull and hold the required button to raise or lower a window.

The window stops moving as soon as the button is released.

Auto up/down

The vehicle may have an auto up/down function.

To fully open the driver's door window automatically, press the switch fully down. To fully close the window automatically, pull the switch fully up. In automatic operation, the window will fully open or close even if you let go of the switch.

To stop the window at the desired position while the window is in operation, pull up or press down and release the switch to the opposite direction of the movement.

Safety function

If the window glass encounters resistance above the halfway point of the operating range during automatic closing, it is immediately stopped and opened again.

Overload

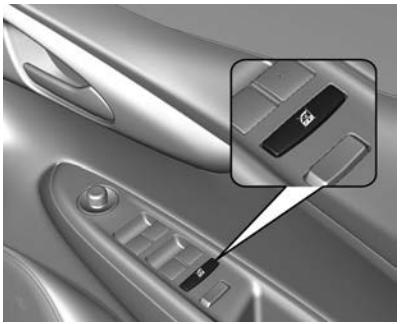
If the windows are repeatedly operated at short intervals, window operation may be disabled for some time.

Initialising the power windows

If the windows cannot be closed automatically (e.g. after disconnecting the vehicle battery), activate the window electronics as follows:

1. Close doors.
2. Switch on ignition.
3. Close the window completely and keep the switch pulled for an additional 2 seconds.

Child safety system for rear windows



Press switch to deactivate rear power windows.

To activate press again.

⚠ Warning

Do not leave keys or children unattended in the vehicle. Children may operate the switches and become trapped in

(Continued)

Warning (Continued)

the windows. Serious injury or death may occur from misuse of power windows.

Heated Rear Window

1. Start the engine.
2. Press ⊞.

The heating is switched off automatically after a few minutes or by pressing the button again.

Sun Visors

The sun visors may be folded down or folded outwards over the side window to prevent glare.

- The sun visors may have mirrors.
- Close the mirror cover when driving.

⚠ Warning

Do not place the sun visor in such a position that it reduces visibility of the roadway, traffic or other objects.

Roof

Sunroof

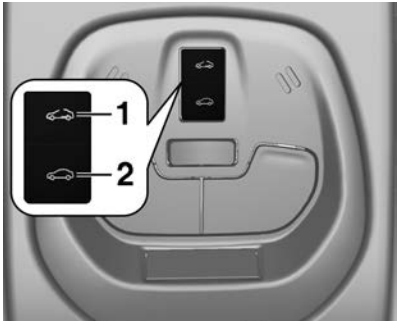
⚠ Warning

Take care when operating the sunroof. Risk of injury, particularly to children.

Keep a close eye on the movable parts when operating them.

Ensure that nothing becomes trapped in them as they move.

The sunroof can be operated with ignition on.



Raise

Hold switch 1 pressed until the sunroof is raised at the rear.

Open

From raised position, press and release switch 1: the sunroof is opened automatically to the end position. To stop movement before end position, operate the switch once more.

Close

Hold switch 2 pressed from any position until sunroof is closed completely. Releasing the switch stops movement in any position.

Note

If the outside surface of the sunroof is wet, tilt the roof first to allow the water to run off and then open sunroof.

Do not affix any stickers to sunroof.

Sunblind

The sunblind is manually operated.

Close or open the sunblind by sliding.

When the sunroof is opened, the sunblind also opens.

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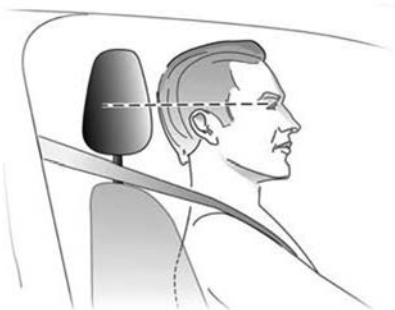
Head Restraints

⚠ Warning

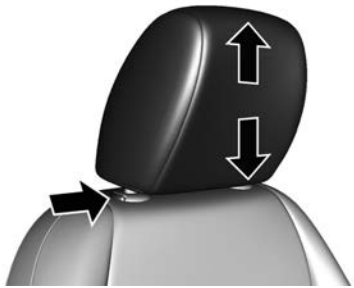
This safety feature is not intended as a headrest. It is solely for the reduction of whiplash neck movement in an accident involving your vehicle.

The centre of the head restraint should be at eye level, never at neck level.



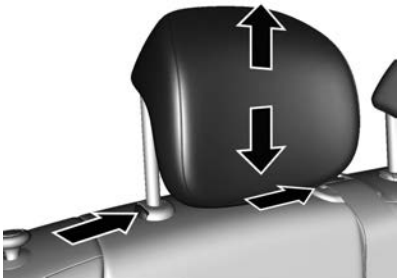
Height adjustment

Front head restraints



- Lift the head restraint up to raise.
- Push the locking button and push the head restraint down to lower.

Rear head restraints



- Lift the head restraint up to raise.
- Push the locking button and push the head restraint down to lower.
- Push the locking buttons on each head restraint post and pull the head restraint up to remove.

Front Seats

Seat Position

⚠ Warning

To avoid reducing the effectiveness of seat belts, seatbacks should only be upright or at most semi-reclined when the vehicle is moving.

- Sit centrally in the seat.
- Use the backrest and cushion for support.
- Adjust the seat so that your legs are slightly angled when against the pedals.
- Adjust the backrest angle to easily reach the steering wheel with arms slightly bent. *Steering Wheel Adjustment* ⇨ *43*.
- Maintain contact between shoulders and the backrest when turning the steering wheel.
- Adjust the head restraint. *Head Restraints* ⇨ *23*.
- Slide the passenger seat as far back as possible.

Seat Adjustment

⚠ Danger

Do not sit nearer than 25 cm from the steering wheel, to allow safe airbag deployment.

⚠ Warning

Do not adjust the driver's seat when the vehicle is moving as the seat could move suddenly causing the driver to lose control.

Seat positioning

1. Move the seat forwards or backwards by lifting the bar at the front and sliding the seat.
2. Release the bar to engage the latch.

   Try to move the seat back and forth to ensure the seat is locked in place.

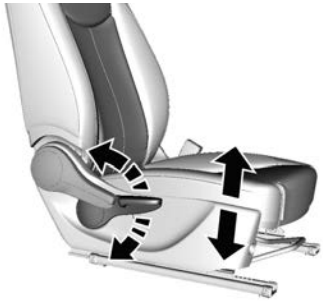
Seat backrests

1. Recline the seatback by pulling the lever.
2. Adjust the angle and release the lever.
3. Allow the seat to engage audibly.

Note

Do not lean on the seat when adjusting.

Seat height



Pump the lever on the outside of the seat cushion.

1. Push the lever down several times to lower the seat cushion.
2. Pull the lever up several times to raise the seat cushion.

Rear Seats

Folding down rear seatbacks

⚠ Danger

Ensure the rear seatbacks are securely in place.

Do not pull the release button on the top of the seat back while the vehicle is moving. This could cause damage or injuries to the occupants.

Do not allow passengers to sit on the folded seatbacks while the vehicle is in motion. Unrestrained luggage or passengers on a folded seatback could be thrown within or ejected from the vehicle in a sudden stop or accident.

Caution

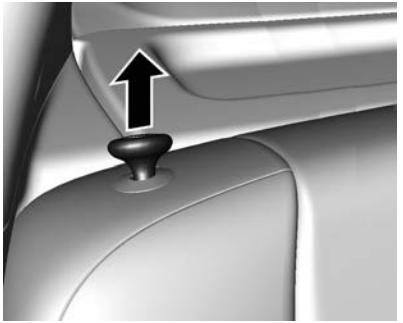
Do not trap the seat belt when returning the seatback to the upright position.

To fold the rear seatbacks down separately:

1. Slide the front seat forwards.
2. Adjust the front seatback to an upright position.
3. Remove the rear seat head restraints.

   Head Restraints ⇨ *23*.

4. Pull up the front of the rear seat cushion to release it.
5. Guide the rear of the rear seat cushion to an upright position.



6. Pull the release knob on top of the rear seatback upwards.

7. Fold the rear seatback forwards and down.

8. Insert the rear seat head restraints into the pockets.

9. Put the seatbelts for the outboard seats into the belt guides.
10. Adjust the front seats to the desired position.

To return the seatback to the upright position:

1. Lift the seatback upwards and reinstall the rear head restraints.
2. Make sure the seatbelts are not pinched by the latch, push the seat back firmly back into place and pull the seat belt out of the guides.
3. Place the rear part of the seat cushion in its original position.

Note

Make sure the seat belts are not twisted or caught under the seat cushion.

4. Push the front part of the seat cushion down firmly until it latches.

Seat Belts

⚠ Warning

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

(Continued)

Warning (Continued)

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid.

Belts should not be worn with straps twisted.

Each belt assembly must only be used by one occupant. It is dangerous to put a belt around a child being carried on the occupant's lap.

No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack,

(Continued)

Warning (Continued)

or prevent the seat belt assembly from being adjusted to remove slack.

The belts lock during heavy acceleration or deceleration for the safety of the occupants.

Belt force limiters

In the front seats, stress on the body is reduced by the gradual release of the belt during a collision.

Belt tensioners

In the event of a front, side or rear collision of a certain severity, the driver's and/or passengers' seat belts are tightened.

⚠ Warning

Incorrect handling (e.g. removal or fitting of belts or belt buckles) can trigger the belt tensioners, causing a risk of injury.

When the belt tensioners have been deployed, illuminates on the instrument cluster. *Safety Belt Reminders* ⇨ *51*.

Triggered belt tensioners must be replaced.

Belt tensioners are only triggered once.

⚠ Warning

Do not attach or install objects that may interfere with the operation of the belt tensioners.

Do not make any modifications to belt tensioner components.

Three-Point Seat Belt

Fitting

The belt should not be twisted. It should lie flat and fit firmly across your hips.

1. Withdraw the belt from the reel.

2. Pull the metal tongue across your body into the buckle, until it clicks into place.
3. Tension the lap belt regularly while driving by tugging the shoulder belt.

Do not place objects such as handbags or mobile phones between the belt and your body.

⚠ Warning

The belt must not rest against hard or fragile objects in the pockets of your clothing.

Removing

1. Press the release button on the buckle.
2. Allow the belt to retract.
3. Check that it fully retracts without twisting or turning.

Seat belt use during pregnancy

⚠ Warning

The lap belt must be positioned as low as possible across the pelvis to prevent pressure on the abdomen.

Seat belts work for everyone, including pregnant women. Like all occupants, they are more likely to be seriously injured if they do not wear a seat belt.

A pregnant woman should wear a three point belt with the lap portion of the belt worn as low as possible below the rounding of their stomach, throughout the pregnancy.

Seat belt care

⚠ Warning

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid.

Cleaning may safely be carried out using mild soap and water.

The belt should be replaced if webbing becomes frayed, contaminated or damaged.

Replacing seat belts after a crash

⚠ Warning

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

Airbag System

When triggered, airbags inflate within milliseconds. They also deflate so quickly that it is often unnoticeable during the collision.

⚠ Danger

Do not make any modifications to the airbag system.

The driver should sit back as far as possible while still maintaining control of the vehicle. Sitting too close to the airbag can cause death or serious injury when it inflates.

Always wear a seat belt.

⚠ Warning

WARNING – EXTREME HAZARD!

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!

The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

Remember that it is safest for children to be seated in the rear seats.

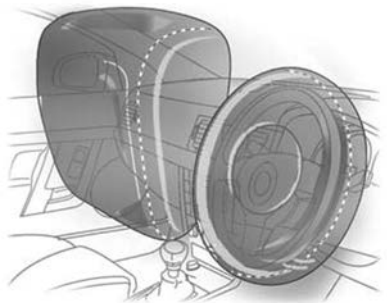
⚠ Warning

Airbags are part of the supplemental restraint system (SRS) as they assist, but do not replace seat belts. Airbags do not deploy in every accident. Various factors dictate whether they deploy including speed, angle of collision and object hit. Airbags are not designed to inflate if the vehicle is hit from the rear or is involved in a rollover. Seat belts must be worn by all passengers whenever the vehicle is moving.

Airbags inflate with great force. If you are too close to an inflating airbag it may cause injury.

Seat belts help keep you in position for airbag inflation in the event of a collision.

Front Airbag System



The front airbag system consists of one airbag in the steering wheel and one in the instrument panel on the passenger side. These are identified by the word AIRBAG.

⚠ Warning

The horn pad must not be covered with adhesive or any other material.

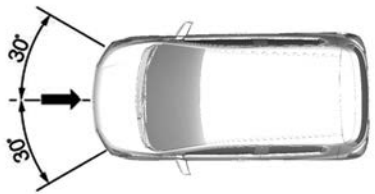
The driver should adjust the seat as far rearward as possible while still maintaining control of the vehicle.

⚠ Warning

Do not place any objects on or over the instrument panel or between an airbag and yourself.

Do not hang anything from the sun visor or mirror.

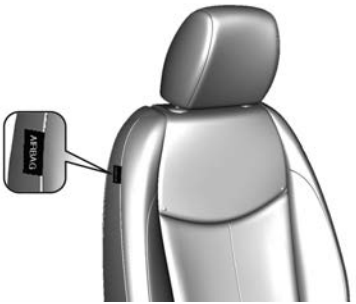
Passengers must not rest their feet on the instrument panel.



Front airbags will inflate in certain severe frontal or near frontal impacts. Front airbags are not

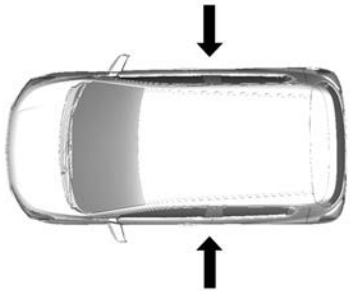
designed to inflate if the vehicle is struck from the side, rear or in rollovers. Always wear a seat belt.

Side Airbag System



Side airbags are stored in the sides of the front seats.

They can be identified by the word AIRBAG.



The side airbags deploy in most, but not all, severe side impacts.

The risk of injury to the upper body and pelvis in the event of a side impact is considerably reduced.

⚠ Warning

Do not fit any seat covers (except genuine Holden accessory covers) as they may impair the deployment of the Side Impact Airbags (SIAB).

Do not position your body or any object (including pillows) between front seats and doors.

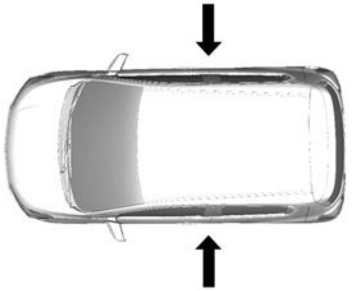
Do not lean on, or sleep against, the door. Always sit centrally in the seat.

Always wear a seat belt.

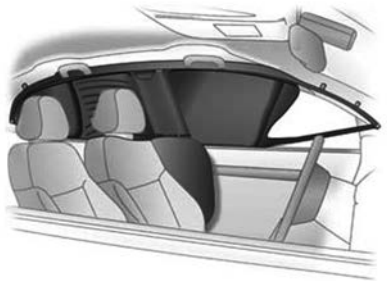
Curtain Airbag System

Curtain airbags are stored in the roof on each side of the vehicle.

They can be identified by the word AIRBAG on the door pillars.



The curtain airbags deploy in most, but not all severe side impacts.



The risk of injury to the head in the event of a side impact is considerably reduced.

⚠ Warning

Do not position your body or any object (including pillows) in the area in which the airbag inflates.

There must be no objects in the area in which the airbag inflates. Refer to the illustration.

Use the hooks above the doors only to hang up light articles of clothing.

Do not place any objects in the pockets of the hanging items.

Do not hold onto the assist grips (above the doors) while seated in the vehicle.

Do not lean on, or sleep against the front or rear doors. Always sit centrally in the seat.

Always wear a seat belt.

Replacing airbag system parts after a crash

Note

After an accident where airbags have deployed, the systems, associated parts and hardware must be checked and replaced as required.

Seats, associated parts and hardware must also be checked and replaced as required.

The airbag system should also be inspected after an accident if:

- The instrument panel area or steering wheel is scratched, cracked or damaged.
- The front seats and upholstery are damaged.
- The headliner or trim panels are damaged.

It is recommended that this work be carried out by a Holden Dealer or approved repairer.

Child Restraints

Child Restraint Systems

⚠ Warning

WARNING – EXTREME HAZARD!

Do not use a rearward facing child restraint on a seat protected by an airbag in front of it!

The child could be seriously injured if the airbag inflates, as the child's head would be very close to the inflating airbag.

Remember that it is safest for children to be seated in the rear seats.

⚠ Warning

This manual provides you with general information concerning child restraints only.

The driver is required by law to ensure that passengers and pets are suitably restrained. In most States and Territories of Australia and New Zealand, specific laws may exist which require children to be seated in approved child restraints and/or in certain locations within the vehicle.

(Continued)

Warning (Continued)

Holden strongly recommends that you refer to your specific State or Territory regulations to determine which child restraint and seat location is suitable for your child.

⚠ Warning

Always ensure that the seat belt fits firmly around the child restraint, as applicable to the type of restraint used.

If a child cannot see out of the window, do not raise him/her by means of an ordinary cushion. It will not stay in place in a collision and the child can slip out of the straps and become entangled.

Selecting the right system

Infants

Rearward facing infant capsules are designed so that in the event of a collision, impact forces will be evenly spread over the baby's back, with minimal jarring to the vulnerable head and neck area.

Young children

Forward facing child seats are for use when the child is able to sit and easily hold their head upright.

Booster seats

Booster seats are for when children outgrow a typical forward facing child seat, but are still too small for three point seat belts.

Older children

A child should use a normal three point seat belt only when:

- They can sit against the back of the rear seat with knees bent comfortably at the edge of the seat.
- The lap belt rests low and snug across the hips, not across the stomach.
- The sash belt is centred on the shoulder and chest.
- They are able to stay seated like this for the entire trip.

Where to Put the Restraint

⚠ Warning

It is safest for children to be seated in the rear seat.

Only child restraints that have clips to attach to the vehicle's anchorage fitting (as shown in the following illustrations) are to be used. Earlier types of child restraints may not attach securely to this type of anchor.

Use only Standards Australia and New Zealand approved child restraints and harnesses. Only

(Continued)

Warning (Continued)

purchase a child restraint which carries the appropriate Standards Australia sticker of approval.

Australian States and Territories and New Zealand have laws restricting the seating of children in the front passenger seat. In most jurisdictions, children under 4 years should not be seated in the front passenger seat. Check your local road safety regulations before seating a child in the front seat.

Where legally allowable, you may install a forward-facing child restraint in the front seat, but always move the passenger seat as far back as it will go.

Child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be

(Continued)

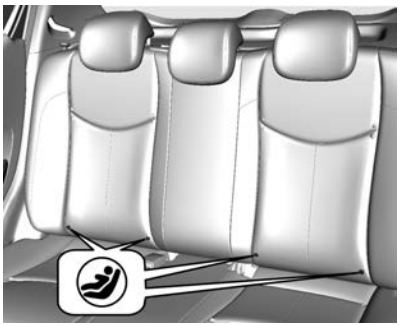
Warning (Continued)

used for adult seat belts, harnesses, or for attaching other items or equipment to the vehicle.

Note

If unsure about installing a child restraint, contact an approved restraint fitting station or a Holden Dealer.

ISOFIX Child Restraint Systems



Fasten vehicle-approved ISOFIX child restraint systems to the ISOFIX mounting brackets.

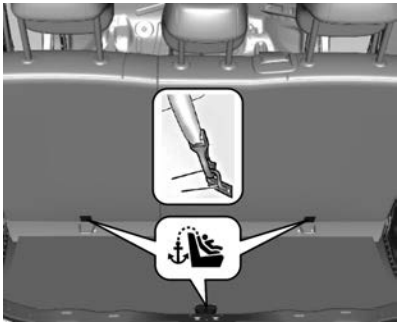
Note

Ensure that seat belt buckles are placed out of the way of the child seat.

ISOFIX mounting brackets are indicated by a label on the seatback, as shown. In addition to the ISOFIX mounting, fasten the top-tether straps to the top-tether anchorage points.

Top-Tether Child Restraint Systems ⇨ 38.

Top-Tether Child Restraint Systems



The child restraint tether anchors are located on the backside of the rear seats and the centre of the rear end panel at the load compartment area.

Note

Use the child restraint anchors for their designed purpose only.

Child restraint installation

The vehicle has been designed to accommodate child restraints on the rear seat.

When using a child restraint, read the installation instructions supplied with the child restraint and follow the directions for fitment carefully.

Secure the child in the restraint in accordance with the manufacturer's instructions.

If unsure about installing a child restraint anchor fitting, contact an approved restraint fitting station or a Holden Dealer.

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Storage Compartments

Instrument Panel Storage

The instrument panel storage compartment is located in front of the shift lever.

Glove Box

The glovebox is located in the instrument panel, in front of the passenger's seat.

To open, pull the handle towards you. To close, push the lid firmly back into place.

⚠ Warning

To reduce the risk of injury, always keep the glovebox door closed when driving.

Cupholders

Cup holders are located in the centre console.

⚠ Warning

To avoid scalding, never place hot drinks in the cupholders.

Do not place uncovered containers of liquid in the cupholder while the vehicle is in motion.

Luggage/Load Locations

Boot

⚠ Danger

Do not stack objects higher than the front seats.

Do not allow passengers to sit on the folded seatbacks while the vehicle is in motion. Serious injuries or death can result.

For folding down rear seatbacks. *Rear Seats ⇨ 26*.

Information on Loading the Vehicle

The rear parcel tray can be raised to provide access to the load compartment.

Note

Ensure the parcel tray is lowered before closing the tailgate.

To remove the parcel tray, unclip each side, move the tray forward and turn one side rearward to remove.

- Place all heavy objects in the load compartment as far forward as possible.
- Secure objects to prevent them from sliding.

  Movement of heavy objects in the load compartment may change the handling of the vehicle.
- Ensure the backrests are securely engaged.
- Ensure that all cargo is lower than the rear seat backrests.

- Place heavier objects at the bottom.
- Do not place any objects on the rear parcel tray or the instrument panel.
- Do not place unsecured objects in the interior.
- Do not drive with an open tailgate.

Instruments and Controls

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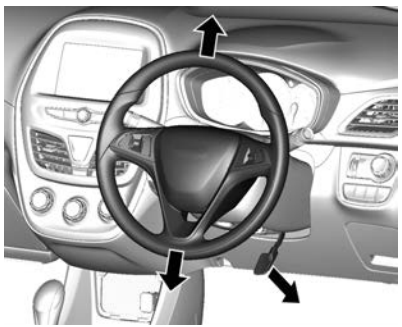
Controls

Steering Wheel Adjustment

⚠ Warning

Do not attempt to adjust the steering wheel while driving.



1. To unlock, move the lever down.
2. Adjust the steering wheel.
3. To lock, move the lever up.
4. Ensure the steering wheel is locked in position before driving.

Steering Wheel Controls

The infotainment system and the cruise control may be operated by the controls on the steering wheel.

See Infotainment system. *Steering Wheel Controls* ⇨ *74*.

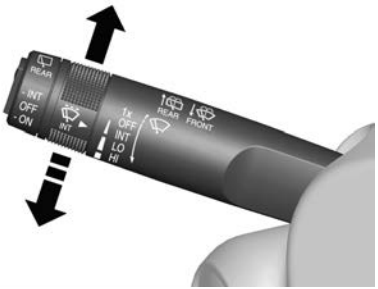
Cruise Control ⇨ *120*.

Horn

Press .

Windshield Wiper/Washer

Windscreen wiper



To operate the windscreen wipers, turn the ignition on and move the windscreen wiper/washer lever up or down to the desired position.

Caution
Do not operate the wipers on dry glass or when covered with snow or ice, as this will damage the rubber and scratch the glass.

1x : Misting function

OFF : Off

INT : Intermittent operation

LO : Continuous wipe, slow speed

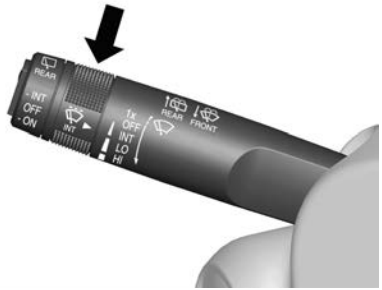
HI : Continuous wipe, fast speed

Misting function

To operate the windscreen wipers once during light rain or mist:

- Lightly lift the windscreen wiper/ washer lever up and release.
- The lever returns to its usual position when released.
- The wipers cycle once.

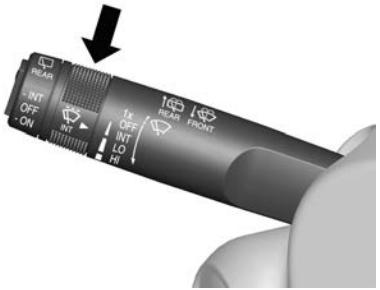
Adjustable wiper interval



During intermittent operation, adjust the wiper interval:

- For frequent intervals, rotate the wheel downwards.
- For longer intervals, rotate the wheel upwards.

Windscreen washer



Pull the lever rearwards to wash the windscreen.

Washer fluid is sprayed onto the windscreen and the wipers cycle once.

Caution

Do not operate the windscreen washer for more than a few seconds or when the washer fluid reservoir is empty.

⚠ Warning

Do not spray washer fluid on the windscreen in freezing weather.

Rear Window Wiper/ Washer

To operate the rear window wiper, push the switch at the end of the lever.

INT : Intermittent wipes, push in at the top of the button.

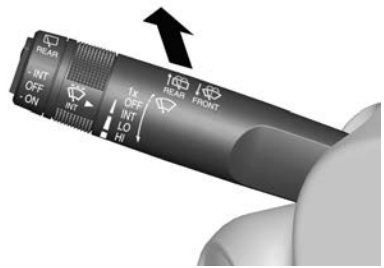
OFF : To turn the wipers off, place the switch in the OFF position.

ON : Continuous wipes, push in at the bottom of the button.

Caution

Do not operate the wipers on dry glass or when covered with snow or ice, as this will damage the rubber and scratch the glass.

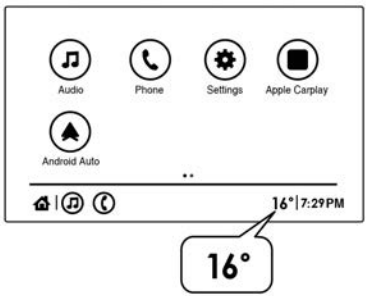
Do not operate the windscreen washer for more than a few seconds, or when the washer fluid reservoir is empty.



Push the lever forwards.

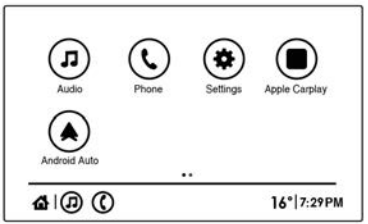
Washer fluid is sprayed onto the rear window and the wiper cycles for a few strokes.

Outside Temperature



The outside temperature is shown in the infotainment display when the ignition is on.

Clock



Time is shown on the infotainment display.

Adjust the settings for the time in the settings menu.

See Infotainment system. *Settings* ⇨ *90*.

Power Outlets

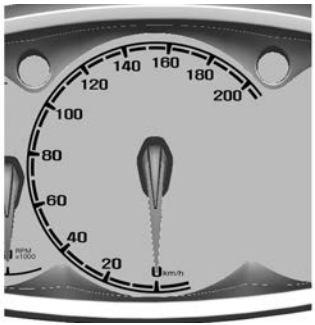
The power outlet is located in the front console.

The 12V outlet operates when the ignition is turned to the ON position.

- The power outlet does not operate if the battery voltage is low.
- Do not exceed the maximum power consumption of 120 watts.
- Do not connect electrical charging devices or batteries.

Warning Lights, Gauges, and Indicators

Speedometer



Shows vehicle speed in kilometres per hour (km/h).

The pointer may shake slightly after the engine is turned off. This is not a malfunction but normal operation to ensure correct pointer position.

Odometer

Shows distance travelled in kilometres.

Trip Odometer

The top line displays the recorded distance since the last reset.

To reset, press **SET/CLR** on the turn signal lever for a few seconds. *Driver Information Centre (DIC)* ⇨ *56*.

Tachometer

Shows engine speed in thousands of revolutions per minute (RPM).

Drive at a low engine speed/range for each gear, as much as possible.

The pointer may shake slightly after the engine is turned off. This is not a malfunction but normal operation to ensure correct pointer position.

⚠ Warning

Do not allow the needle to remain in the warning/red zone.

Fuel Gauge

Shows the level of fuel in the tank (**E** = empty, **F** = full).

Movement of the fuel within the fuel tank may cause the fuel gauge indicator to move when braking, accelerating or turning.

⚠ Danger

Before refuelling, stop the vehicle and switch the engine off.

Control Indicators

The vehicle may have the following indicators.

Indicators illuminate for a short time when the ignition is turned on to show that the light is working.

Red: danger, important reminder

Yellow: warning, information, fault

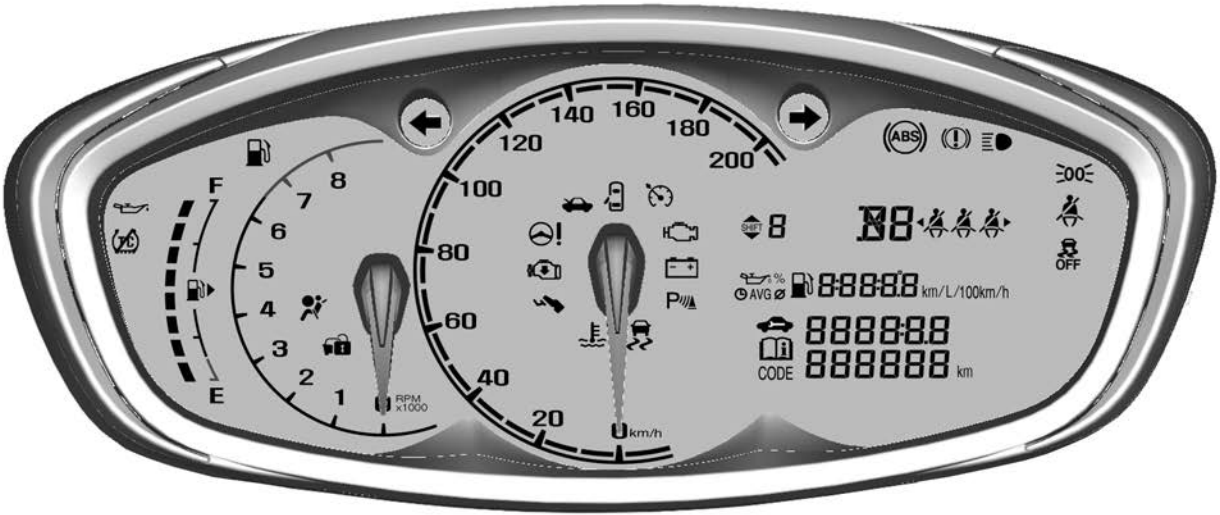
Green: confirmation of activation

Blue: confirmation of activation

Note

Depending on vehicle variant, the instrument cluster appearance may differ.

Control indicators in the instrument cluster



Control indicators in the overhead console

The front passenger's seat belt reminder displays (if occupied).

Overview

: *Turn Signal* ⇨ *51*.

: *Safety Belt Reminders* ⇨ *51*.

: *Airbag and Seat Belt Tensioner Light* ⇨ *52*.

: *Charging System Light* ⇨ *52*.

: *Malfunction Indicator Lamp* ⇨ *52*.

: *Service Vehicle Soon Light* ⇨ *52*.

: *Brake and Clutch System Warning Light* ⇨ *53*.

: *Antilock Brake System (ABS) Warning Light* ⇨ *53*.

: *Upshift light* ⇨ *53*.

: *Variable Effort Steering Light* ⇨ *53*.

: *Ultrasonic Parking Sensor Light* ⇨ *53*.

: *Electronic Stability Control (ESC) Indicator Light* ⇨ *54*.

: *Electronic Stability Control (ESC) Off Light* ⇨ *54*.

: *Traction Control System (TCS) Off Light* ⇨ *54*.

: *Engine Coolant Temperature Warning Light* ⇨ *54*.

: *Engine Oil Pressure Light* ⇨ *54*.

: *Low Fuel Warning Light* ⇨ *55*.

: *Immobiliser Light* ⇨ *55*.

: *Reduced Engine Power Light* ⇨ *55*.

: *High-Beam On Light* ⇨ *55*.

: *Lamps On Reminder* ⇨ *56*.

: *Cruise Control Light* ⇨ *56*.

: *Bonnet Open Warning Light* ⇨ *56*.

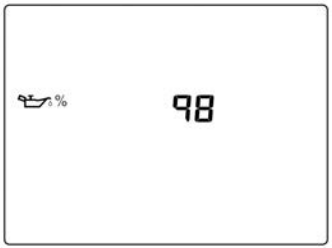
: *Door Ajar Light* ⇨ *56*.

: *Operate Pedal Light* ⇨ *53*.

Service Display

Engine oil life system

The engine oil life system lets you know when to change the engine oil and filter. Based on driving conditions, the interval at which an engine oil and filter change will be indicated can vary considerably.



To display the remaining engine oil life duration:

Press **MENU** on the turn signal lever.

Driver Information Centre (DIC) ⇨ *56*.

Service Information ⇨ *169*.

Transmission Display

Indicates the selected gear or transmission mode.

Turn Signal

- Push the lever in the same direction the steering wheel is turned.
- ⇦⇨ flashes.
- ⇦⇨ also flashes when the hazard warning is activated.
- The turn signal will self-cancel from larger turns.
- If ⇦⇨ flashes quickly. *Bulb Replacement* ⇨ *138*.

Fuses ⇨ *145*.

Turn and Lane-Change Signals ⇨ *67*.

Safety Belt Reminders

: Driver's seat belt reminder

$_2$: Front passenger's seat belt reminder (if occupied)

◀ ▶ : Rear seat belt reminders illuminate in the Driver Information Centre (DIC)

When the ignition is turned to the ON position:

or $_2$ illuminates until the seat belt is fastened.

When the engine is running:

or 2 flashes for 100 seconds then illuminates until the seat belt is fastened. A chime may also sound. If a seat belt is unfastened while driving, the reminder will flash and a chime will sound.

Rear seat belt reminders:

- Illuminate, except for any rear seat belts which are already fastened.
- Will turn off after a short period once you drive above approximately 10 km/h.
- Will turn off immediately when the corresponding rear seat belt is fastened.
- Will flash and a chime will sound if a rear seat belt is unfastened while driving above approximately 10 km/h.

Airbag and Seat Belt Tensioner Light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light does not illuminate, does not extinguish after few seconds or illuminates while driving, there is a problem with the airbag or belt tensioner system.

⚠ Warning

Have any fault in the airbag or belt tensioner system repaired immediately by a Holden Dealer.

Airbag System ⇨ *31*.

Seat Belts ⇨ *27*.

Charging System Light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light illuminates while the engine is running, there is a problem with the charging system:

1. Stop and switch off the engine.
2. Contact a Holden Dealer.

Malfunction Indicator Lamp

If the warning light illuminates while driving, there is a problem with the emission monitoring system. Contact a Holden Dealer.

Service Vehicle Soon Light

The light illuminates when the vehicle requires a service.

Have the vehicle checked by a Holden Dealer.

Vehicle Messages ⇨ *57*.

Brake and Clutch System Warning Light

The (!) warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the (!) warning light does not extinguish or illuminates while driving and the park brake is released, there is a problem with the brakes:

- Stop the vehicle as soon as it is safe to do so.
- Check the brake fluid level. *Brake Fluid* ⇨ *135*, *Parking Brake* ⇨ *113*.
- Do not proceed until satisfied that braking is possible or that the cause of the problem has been repaired.
- If necessary contact a Holden Dealer.

⚠ Warning

Do not drive while the brake system warning light is on.

Antilock Brake System (ABS) Warning Light

The (ABS) warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the (ABS) warning light illuminates, there is a problem in the ABS.

Note
The vehicle's brake system remains operational but without ABS assistance. *Antilock Brake System (ABS)* ⇨ *112*.

Contact a Holden Dealer.

Operate Pedal Light

illuminates or flashes yellow.

Operate the clutch pedal (manual) or brake pedal (auto) to start the engine.

Upshift light

SHIFT illuminates to indicate when to shift to the next higher gear for best fuel economy.

Variable Effort Steering Light

The vehicle has electric power steering.

The ! warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the ! warning light does not extinguish after a few seconds, or if it illuminates while driving, there is a fault in the power steering.

Contact a Holden Dealer.

Ultrasonic Parking Sensor Light

P illuminates for a short time when the ignition is turned on to show that the light is working.

If the light does not extinguish or if it illuminates when reverse gear is selected:

- The sensors may be dirty
- The sensors may be covered by ice or snow
- There may be ultrasonic wave interference

If the light does not extinguish, contact a Holden Dealer. *Parking Assist* ⇨ *116*.

Electronic Stability Control (ESC) Indicator Light

The indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

If the light flashes while driving, the ESC is actively helping the vehicle with road grip and stability.

If the light illuminates or does not extinguish while driving, contact a Holden Dealer immediately.

Electronic Stability Control (ESC) Off Light

The OFF indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

OFF illuminates when the ESC is deactivated.

Electronic Stability Control (ESC) ⇨ *115*.

Traction Control System (TCS) Off Light

The indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

illuminates when the TC is deactivated.

Engine Coolant Temperature Warning Light

The warning light illuminates for a short time when the ignition is turned on to show the light is working.

illuminates red if the coolant has overheated.

If you have been operating your vehicle under normal driving conditions, you should pull off the road, stop your vehicle and let the engine idle for a few minutes.

If the light does not go out, you should switch the engine off and consult a dealer as soon as possible. We recommend that you consult a Holden dealer.

Engine Oil Pressure Light

The warning light illuminates for a short time when the ignition is turned on to show that the light is working.

If the warning light illuminates while the engine is running, the engine oil pressure or level is low:

- Stop the vehicle as soon as it is safe to do so.
- Turn the ignition off and remove the key.
- Check the engine oil level. *Engine Oil* ⇨ *132*.
- If necessary, contact a Holden Dealer.

Caution
Engine damage may result if you keep driving. Do not run the engine. If the oil level is normal, have the system checked by the nearest Holden Dealer.

Low Fuel Warning Light

The indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

The indicator light illuminates when the fuel level is low.

Caution
To avoid damage to the catalytic converter, fill the fuel tank above the low fuel level.

Catalytic Converter ⇨ *105*.

Immobiliser Light

The indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

The indicator light illuminates when there is a fault in the immobiliser system.

The engine may not be started.

Contact a Holden Dealer.

Reduced Engine Power Light

The warning light illuminates for a short time when the ignition is turned on to show the light is working.

The engine may not be started.

If illuminates while driving, the engine's power is reduced.

1. Stop the vehicle as soon as it is safe to do so.
2. Switch the ignition off, then restart after 10 seconds.

   The vehicle may be driven at a reduced speed.
3. Contact a Holden Dealer immediately.

High-Beam On Light

The indicator light illuminates when headlamp high beam is on.

Headlamp High/Low-Beam Changer ⇨ *66*.

Lamps On Reminder

The indicator light illuminates when the exterior lamps are on.

Exterior Lamp Controls ⇨ 66.

Cruise Control Light

The indicator light illuminates white when the system is on and green when cruise control is activated.

Cruise Control ⇨ 120.

Bonnet Open Warning Light

illuminates when the bonnet is open.

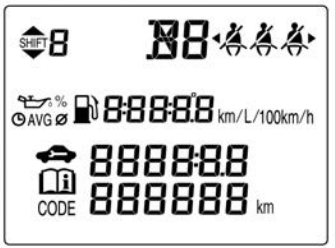
Door Ajar Light

The indicator light illuminates for a short time when the ignition is turned on to show that the light is working.

The warning light illuminates when any of the doors or the tailgate is not completely closed.

Information Displays

Driver Information Centre (DIC)



The Driver Information Centre (DIC) is located in the instrument cluster. The DIC displays functions such as the trip computer, information and warning messages and settings, etc.

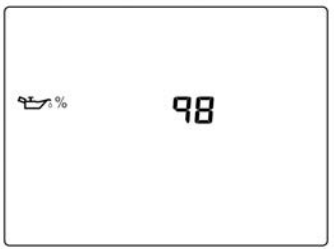
Settings Menu

To select the settings menu, press **MENU** on the turn signal lever.

The following options may be available for selection

- Engine oil life

Engine oil life system



Displays an estimate of the remaining useful oil life. This may only be displayed while the vehicle is stationary.

If the number 98 is displayed, it means 98% of the current oil life remains.

When the remaining oil life is low, the vehicle message Code 82 or Change % (oil change) will be displayed.

The engine oil should be changed as soon as possible.

After an engine oil change, the engine oil life system will be reset by your Holden Dealer.

How to Reset the Engine Oil Life System

Reset the system whenever the engine oil is changed so the system can calculate the next engine oil change.

1. Turn the ignition On with the engine not running.
2. Press the MENU button on the turn signal lever to select the Engine oil life display in the Driver Information Centre (DIC).
3. Press the SET/CLR button to reset the oil life to 100%.
4. Turn the ignition Off.

Take care not to reset the display accidentally at any time other than after the oil is changed.

If the vehicle message code 82 (Change engine oil soon) comes back on when the vehicle is started, the engine oil life system has not reset. Repeat the procedure.

Service Information ⇨ *169*.

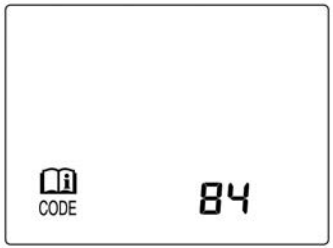
Vehicle Messages

Messages are indicated mainly in the Driver Information Centre (DIC), in some cases together with a warning and signal buzzer.

Press **SET/CLR**, **MENU** or turn the adjuster wheel to confirm a message.

Note

Not all of the following messages will be applicable to your vehicle.



The vehicle messages are displayed as code numbers.

No.	Vehicle message
2	No remote detected. Press clutch to restart
3	Coolant level low. Add coolant
4	A/C Off due to high engine temp
5	Steering column is locked
6	Press brake to release park brake
7	Turn steering wheel. Turn key Off, then On
8	Turn key Off, Then On – repeat breath test
9	Turn steering wheel. Start vehicle again
11	Brakes worn
13	Compressor overheated
15	Check high mounted brake lamp-
16	Check brake lamps
18	Left low beam failure
20	Check right low beam lamp
21	Check left position lamp
22	Check right position lamp
23	Reverse lamp failure
24	Number plate light failure
25	Check left front turn signal lamp
26	Left rear turn indicator failure
27	Check right front turn signal lamp
28	Check right rear turn signal lamp
35	Replace Battery In Remote Key
36	Stabilitrak initialising
39	Steering Assist is Reduced, Drive with Care
48	Side Detection System temporarily unavailable
49	Lane departure warning unavailable
52	Change timing belt
53	Tighten petrol cap
59	Open, then close driver window
65	Theft Attempted
66	Service theft alarm
67	Service steering column lock
68	Service power steering, Drive with care
75	Service AC system
76	Service Side Detection System
77	Service lane departure warning / Service front camera
79	Engine oil low – add oil
81	Service transmission
82	Change engine oil soon
84	Engine power is reduced
88	Use transmitter pocket to start
89	Service vehicle soon

No.	Vehicle message
91	No remote detected
92	No remote detected. Press brake to restart
93	Press button again to turn engine Off / Electric vehicles
94	Shift to Park
95	Service airbag
120	Reduce speed for hill descent control
145	Washer fluid low – add fluid
151	Press clutch to start
174	Low battery
258	Park assist Off

Warning Chimes

Only one warning chime will sound at a time.

The warning chime regarding unfastened seat belts has priority over any other warning chime.

When starting the engine or while driving

- If seat belt is not fastened.
- If a door or the tailgate is not fully closed when starting off.
- If a certain speed is exceeded with parking brake applied.
- If a programmed speed is exceeded.
- If a warning message or a warning code appears in the Driver Information Centre.
- If the parking assist detects an object.
- If a fault in the automatic locking system is detected.

When the vehicle is parked and/or the driver's door is opened

- With exterior lights on.

Battery voltage

When the vehicle battery voltage is running low, a warning message or warning code 174 will appear in the Driver Information Centre.

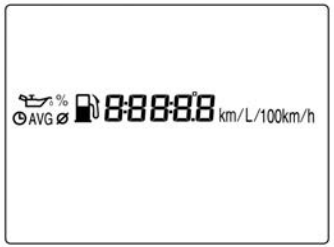
1. Switch off immediately any electrical consumers which are not required for a safe ride, e.g. heated rear window or other main consumers.
2. Charge the vehicle battery by driving continuously for a while or by using a charging device.

The warning message or warning code will disappear after the engine has been started twice consecutively without a voltage drop.

If the vehicle battery cannot be recharged, have the cause of the fault remedied by a Holden dealer.

Trip Computer

Trip Menu



The trip computer is located in the driver information centre (DIC).

The display shows:

- Trip odometer
- Driving distance for remaining fuel
- Average vehicle speed
- Instantaneous fuel consumption
- Average fuel consumption
- Driving time

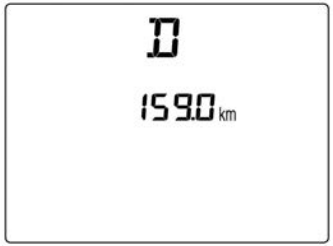
Rotate the adjuster wheel ⇕ to select the trip computer mode.

- Each time the adjuster wheel ⇕ is rotated, the mode changes in the following order:

  Trip odometer → Driving distance for remaining fuel → Average vehicle speed → Instantaneous fuel consumption → Average fuel consumption → Driving time

- Some modes can be reset by pressing and holding **SET/CLR**.

Trip odometer



- The trip odometer displays the recorded distance since last reset.
- To reset, press **SET/CLR** for a few seconds.

Driving distance for remaining fuel

- Estimates driving distance to an empty fuel tank from the current fuel level.

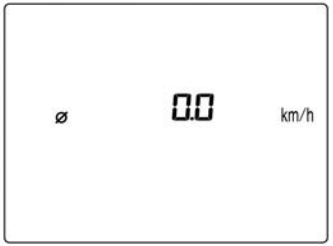
The driving distance for remaining fuel may differ depending on:

- Driving conditions
- Driving pattern
- Vehicle speed

Note

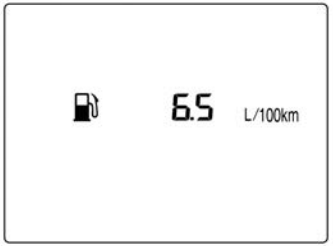
Ensure the vehicle is refuelled while on level ground.

Average vehicle speed



- Average vehicle speed is calculated from the last time the computer was reset.
- To reset, press and hold **SET/CLR**.

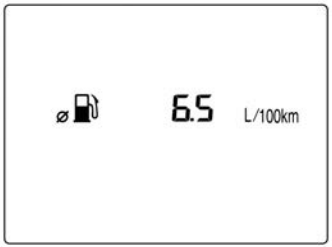
Instantaneous fuel consumption



Instantaneous fuel consumption is displayed while the vehicle is being driven.

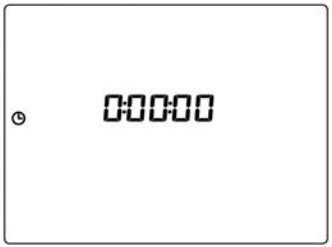
This mode indicates the current fuel consumption and can change frequently depending on driving conditions.

Average fuel consumption



- Average fuel consumption is calculated from the time the ignition is turned on.
- To reset, press and hold **SET/CLR**.

Driving time



- Indicates total driving time.
- Driving time is calculated from the last time the computer was reset.
- To reset, press and hold **SET/CLR** until a beep is heard.
- To start/stop, press **SET/CLR**.

Vehicle Personalisation

The settings can be personalised using the infotainment system controls.

Note

Depending on the vehicle variant, some of the following functions may not be available.

Settings

Settings can be made with the ignition On and the vehicle not moving.

The following are all possible personalisation features and may differ from your vehicle.

To access the menus:

1. Touch the Settings icon on the Home Page on the infotainment display.
2. Touch ‘Vehicle’.
3. Touch to select the desired feature setting.
4. Touch ○ or | to turn off or on a feature.
5. Touch X to go to the top level of the SETTINGS menu.

Note

For the other items in the Settings menu. *Settings ⇨ 90*.

Vehicle

Select and the following may display:

- Collision / Detection Systems
- Comfort & Convenience
- Lighting
- Remote Lock, Unlock and Start
- Remote Lock Unlock Start
- Valet Mode

Collision / Detection Systems

Select and the following may display:

- Park Assist
- Rear Camera Park Assist Symbols

Park Assist

This allows this feature to be turned on or off.

Select On or Off.

Rear Camera Park Assist Symbols

This allows this feature to be turned on or off.

Select On or Off.

Comfort and Convenience

Select and the following may display:

- Chime Volume
- Personalisation by Driver
- Auto Wipe in Reverse Gear

Chime Volume

This allows selection of the chime volume level.

Select level 24 to 38.

Personalisation by Driver

This allows personalisation functions to be turned on or off.

Select On or Off.

Auto Wipe in Reverse Gear

This allows this feature to be turned on or off. When on, and the front wipers are on, the rear window wiper will turn on automatically when the vehicle is shifted into R (Reverse).

Select On or Off.

Lighting

Select and the following may display:

- Exit Lighting

Exit Lighting

This allows selection of how long the exterior lamps stay on when leaving the vehicle and it is dark outside.

Select Off, 30 Sec, 60 Sec, or 120 Sec.

Power Door Locks

Select and the following may display:

- Auto Door lock

Auto Door lock

This allows selection for the doors to automatically lock when the transmission lever is shifted out of park.

Select On or Off.

Remote Lock, Unlock and Start

Select and the following may display:

- Remote Unlock Light Feedback
- Remote Lock Feedback
- Remote Door Unlock
- Relock Doors Unlocked Remotely
- Passive Door Unlock
- Passive Door Lock
- Remote Left in Vehicle Alert

Remote Unlock Light Feedback

When on, the exterior lamps will flash when unlocking the vehicle with the remote control.

Select Flash Lights or Off.

Remote Lock Feedback

This allows selection of what type of feedback is given when pressing on the remote control.

Select Lights Only, Lights & Horn, Horn Only, or Off.

Remote Door Unlock

This allows selection of which doors will unlock when pressing on the remote control.

When set to Driver Door, the driver's door will unlock the first time or the front door exterior handle button (vehicles with electronic key system) is pressed. All doors will unlock when the button is pressed a second time. When set to All Doors, all of the doors will unlock at the first press of or the front door exterior handle button (vehicles with electronic key system).

Select All Doors or Driver Door.

Relock Doors Unlocked Remotely

Activate or deactivate the automatic relock function after unlocking without opening the vehicle.

Select On or Off.

Passive Door Unlock

This allows the selection of what doors will unlock when using the button on the driver door to unlock the vehicle.

Select All Doors or Driver Door Only.

Passive Door Lock

Activates or deactivates the passive locking function. This feature locks the vehicle automatically after

several seconds if all doors have been closed and an electronic key has been removed from the vehicle.

Select On, On with Horn Chirp or Off.

Remote Left in Vehicle Alert

This feature sounds an alert when the remote control is left in the vehicle.

Select On or Off.

Valet Mode

This will lock the infotainment system and steering wheel controls. To enable valet mode:

1. Enter a four digit code on the keypad.
2. Select Enter to go to a confirmation screen.
3. Re-enter the four digit code.

   Touch Lock or Unlock to lock or unlock the system. Touch Back to go back to the previous menu.

Lighting

Exterior Lighting
Exterior Lamp Controls 66
Headlamp High/Low-Beam Changer 66
Daytime Running Lamps (DRL) 67
Hazard Warning Flashers 67
Turn and Lane-Change Signals 67
Reverse Lamps 68

Interior Lighting
Instrument Panel Illumination Control 68
Courtesy Lamps 68
Reading Lamps 69

Lighting Features
Exit Lighting 69
Battery Power Protection 69

Exterior Lighting

Exterior Lamp Controls

Light Switch

○ : Turns all lamps and lights off.

Note
When the engine is running the DRLs will be on.

(Park lamps) : Turns on the park lamps, number plate lamps and instrument panel lighting.

(Headlamps) : Turns on the headlamps and all park lamps when the ignition is turned on.

Headlamp High/ Low-Beam Changer

To activate high beam:

1. Turn the headlamps on.
2. Push the lever forwards.

   The high beam indicator lamp illuminates on the instrument cluster.

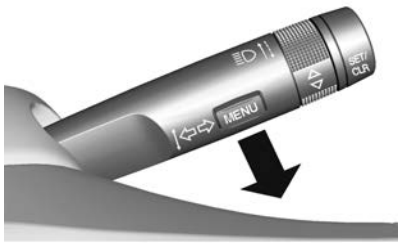
To return to low beam:

1. Pull the lever rearwards.

⚠ Warning

Always switch the headlamps to low beam when vehicles are approaching or when following another vehicle.

To flash the high beam lamps:



1. Turn the ignition on.
2. Pull the lever towards the rear of the vehicle and release.

   The lights stay on for as long as the lever is held.

Daytime Running Lamps (DRL)

Daytime running lamps increase visibility of the vehicle during daylight.

They are switched on automatically when the engine is running.

Hazard Warning Flashers

Press ⚠ to turn the hazard warning flasher on or off, when the ignition is in any position.

All turn signals flash continuously.

Use the hazard warning flasher if the vehicle becomes a traffic hazard, day or night.

Note

Using hazard warning flashers while the vehicle is moving, is illegal in some States and Countries.

Turn and Lane-Change Signals

Push the lever in the direction the steering wheel is turned.

A green arrow on the instrument cluster flashes when the lamps are in operation.

For three flashes, e.g. when changing lanes:

1. Push the lever until the point of resistance, then release.

Reverse Lamps

The reverse lamps illuminate when the ignition is on and reverse gear is engaged.

Interior Lighting

Instrument Panel Illumination Control

1. Turn the headlamps on.
2. Rotate and hold the switch until the desired brightness level is reached.

Courtesy Lamps

Three settings are available:

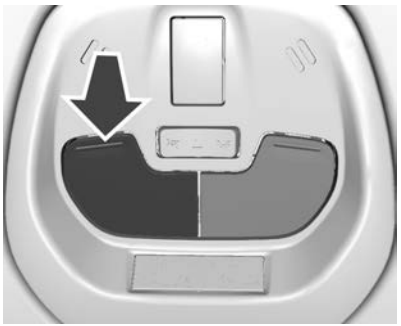
- **(Off)**
- **(Door activated)** : The lamp automatically switches on when a door is opened and switches off when doors are closed.
- **(On)**

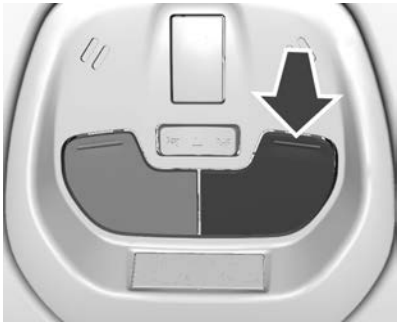
Note
To prevent the battery from discharging, turn the lamp off when the engine is not running.

⚠ Warning

Do not leave the courtesy lamp on while driving in the dark.

Reading Lamps





The vehicle may have reading lamps.

Push the courtesy lamp.

Lighting Features

Exit Lighting

Set the headlamps to light the way after leaving the vehicle.

Activation, deactivation and duration of the lighting can be changed in the vehicle settings.

Vehicle Personalisation ⇨ *62*.

1. Switch the ignition off.
2. Remove the ignition key.
3. Open the driver's door.
4. Pull the turn signal lever rearward once (high beam flash).
5. Close the driver’s door and lock as desired.

Note

Exit lighting is activated for the period set in the vehicle settings.

Battery Power Protection

The battery saver feature is designed to protect the vehicle’s battery.

If some interior lamps are left on and the ignition is turned off, the battery rundown protection system automatically turns the lamp off after some time.

Infotainment System

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Introduction

Read the following pages to become familiar with the infotainment system features.

⚠ Warning

Taking your eyes off the road for too long or too often while using any infotainment feature can cause a crash. You or others could be injured or killed. Do not give extended attention to infotainment tasks while driving. Limit your glances at the vehicle displays and focus your attention on driving. Use voice commands whenever possible.

The infotainment system has built-in features intended to help avoid distraction by disabling some features when driving. These features may grey out when they are unavailable. Many infotainment features are also available through the instrument cluster and steering wheel controls.

Before driving:

- Become familiar with the system operation, controls on the instrument panel, and infotainment display.
- Set up the audio by pre-setting favourite stations, setting the tone, and adjusting the speakers.
- Set up mobile phone and mobile device numbers in advance so they can be called easily by pressing a single control or by using a single voice command.

Overview

Customer Care

Assistance is available to help with Bluetooth pairing, other mobile device interface, and operation support of the infotainment system.

Your dealer can help, or go to the Owner's section at www.holden.com.au.

Infotainment System

The infotainment system is controlled by using the infotainment display, the controls on the instrument panel, steering wheel controls.

1. ⌂ :
   - Press to go to the Home Page.
2. ⏮ :
   - Radio: Press and release to fast seek the previous strongest station. Press and hold to go to the previous station or channel.
   - USB/Music/Pictures: Press to go to the previous content. Press and hold to fast rewind.
3. ⏻ :
   - When off, press ⏻ to turn the system on. Press and hold to turn off.
   - When on, press ⏻ to mute the system and display a status pane. Press ⏻ again to unmute the system.
   - Turn to decrease or increase the volume.

4. ⏭:
   - Radio: Press and release to fast-seek the next strongest station. Press and hold to go to the next strongest station or channel.
   - USB/Music/Pictures: Press to go to the next content.

     Press and hold to fast forward.
5. 📞:
   - Press and release to access the phone screen, answer an incoming call, or access the device home screen.

Steering Wheel Controls

📞 / 🎤 : For vehicles with Bluetooth, press to interact with those systems.

🔇 / 🚗 : Press to silence the vehicle speakers only. Press again to turn the sound on. For vehicles with Bluetooth system, press to reject an incoming call, or to end a current call.

△ SRC ▽ : Press to select a source or toggle to change favourite stations.

+ 🔊 − : Press + to increase the volume. Press − to decrease the volume.

Using the System

Infotainment Display Icons

Infotainment display icons show when available. When a function is unavailable, the icon may grey out. When a function is selected, the icon may highlight.

Audio

Touch the Audio icon to display the active audio source page. Examples of available sources are AM, FM, MyMedia, USB, and Bluetooth.

Phone

Phone icon to display the Phone main page. See *Bluetooth (Pairing and Using the Phone)* ⇨ *84* or *Bluetooth (Overview)* ⇨ *83*.

Settings

Touch the Settings icon to display the Settings menu. See *Settings* ⇨ *90*.

Apple CarPlay

Touch the Apple CarPlay icon to activate Apple CarPlay (if equipped) after a supported device is connected. See *Apple CarPlay and Android Auto* ⇨ *88*.

Android Auto

Touch the Android Auto icon to activate Android Auto (if equipped) after a supported device is connected. See *Apple CarPlay and Android Auto* ⇨ *88*.

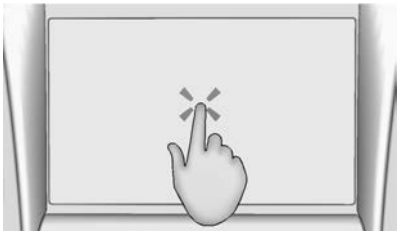
Shortcut Tray

The shortcut tray is near the bottom of the display. It shows up to two applications.

Infotainment Gestures

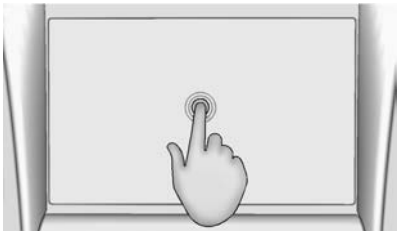
Use the following finger gestures to control the infotainment system.

Touch/Tap



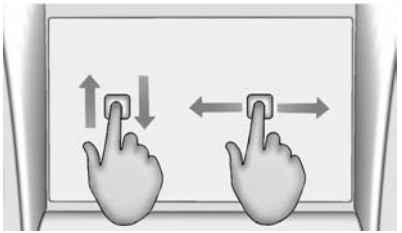
Touch/Tap is used to select an icon or option, activate an application, or change the location inside a map.

Touch and Hold



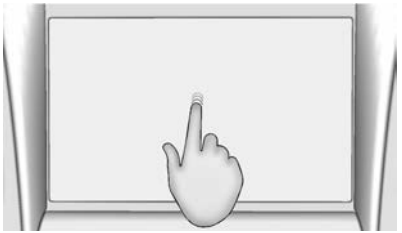
Touch and hold can be used to start another gesture, or to move or delete an application.

Drag



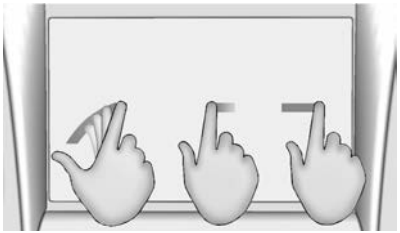
Drag is used to move applications on the Home Page, or to pan the map. To drag the item, it must be held and moved along the display to the new location. This can be done up, down, right, or left.

Nudge



Nudge is used to move items a short distance on a list or a map. To nudge, hold and move the selected item up or down to a new location.

Fling or Swipe



Fling or swipe is used to scroll through a list, pan the map, or change page views. Do this by placing a finger on the display then moving it rapidly up and down or right and left.

Cleaning High Gloss Surfaces and Vehicle Information and Radio Displays

For vehicles with high gloss surfaces or vehicle displays, use a microfibre cloth to wipe surfaces. Before wiping the surface with the microfibre cloth, use a soft bristle brush to remove dirt that could scratch the surface. Then use the microfibre cloth by gently rubbing to clean. Never use window cleaners or solvents. Periodically hand wash the microfibre cloth separately, using mild soap. Do not use bleach or fabric softener. Rinse thoroughly and air dry before next use.

Radio

AM-FM Radio

Playing the Radio

From the Home Page, touch the Audio icon to display the active audio source page. Choose from the three most recently used sources listed at the left side of the display or touch the More icon to display a list of available sources. Examples of available sources are AM, FM, MyMedia, USB, and Bluetooth.

Infotainment System Sound Menu

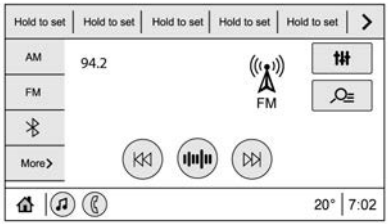
From any of the audio source main pages, touch ⫶⫶⫶ to display the following:

Equaliser : Touch to adjust Bass, Midrange, Treble, and Surround (if equipped) using the options on the infotainment display.

Fade/Balance : Touch to adjust by using the controls on the infotainment display or by tapping/ dragging the crosshair.

Finding a Station

Seeking a Station



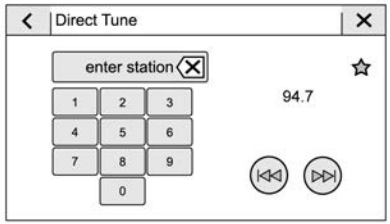
From the AM, FM option, touch ⏮ or ⏭ on the infotainment display to search for the previous or next strong station or channel.

Browsing Stations

From the AM, FM display, touch ☰ to list all available stations or channels. Navigate up and down through all stations by scrolling the list. Touch the station or channel you want to listen to. Touch ☆ to save the station or channel as a favourite.

If equipped, touch Update Station List to update the active stations in your area.

Direct Tune



Access Direct Tune by touching ⫼ on the infotainment display to source AM, FM and bring up the keypad.

Navigate up and down through all frequencies using ⏮ or ⏭. Directly enter a station or channel using the keypad. When a new station or channel is entered, the information about that station or channel displays on the right side. This information will update with each new valid frequency. Touch ☆ to save the station as a favourite.

The keypad will grey out entries that do not contribute to a valid frequency and will automatically place a decimal point within the frequency number.

Touch (✕) to delete one number at a time. Touch and hold (✕) to delete all numbers.

A valid AM or FM station will automatically tune to the new frequency but not close the Direct Tune display. Touch the Back icon or ✕ on the infotainment display to exit out of Direct Tune.

The tune arrows on the right side of the Direct Tune display tunes through the complete station list one station step at a time per touch. A touch and hold advances through stations quickly.

Storing Radio Station Favourites

Favourites show in the area at the top of the display.

AM, FM Radio Stations : Touch and hold a preset to store the current station or channel as a favourite. Touch a saved favourite to recall a favourite station.

Favourites can also be stored by touching ☆ in a station list. This will highlight indicating that it is now saved as a favourite.

The number of favourites displayed is automatically adjusted by default, but can be manually adjusted in Settings in the System tab under Favorites and then Set Number of Audio Favourites. It can also be adjusted in Settings in the Apps tab under Audio and then Set Number of Audio Favourites.

Radio Reception

Unplug electronic devices from the accessory power outlets if there is interference or static in the radio.

FM

FM signals only reach about 16 to 65 km. Although the radio has a built-in electronic circuit that automatically works to reduce interference, some static can occur, especially around tall buildings or hills, causing the sound to fade in and out.

AM

The range for most AM stations is greater than for FM, especially at night. The longer range can cause station frequencies to interfere with each other. Static can also occur when things like storms and power lines interfere with radio reception. When this happens, try reducing the treble on the radio.

Mobile Device Usage

Mobile device usage, such as making or receiving calls, charging, or just having the mobile device on may cause static interference in the radio. Unplug the mobile device or turn it off if this happens.

Fixed Mast Antenna

If equipped, the fixed mast antenna will go through most car washes as long as it is securely attached. If the antenna becomes slightly bent, straighten it out by hand. If it is badly bent, replace it.

Occasionally check that the antenna is tight at the base. If tightening is required, protect the paint from damage.

Multi-Band Antenna

If equipped, the roof antenna is for AM, FM, and GPS (Global Positioning System). Keep it clear of obstructions for clear reception.
If the vehicle has a sunroof, and it is open, reception can also be affected.

Audio Players

Avoiding Untrusted Media Devices

When using media devices such as USB devices, and mobile devices, consider the source. Untrusted media devices could contain files that affect system operation or performance. Avoid use if the content or origin cannot be trusted.

USB Port

Audio stored on a USB device may be listened to.

This vehicle has a USB port in the front console. These ports are for data and charging.

Playing from a USB

A USB mass storage device can be connected to the USB port.

Audio extensions supported by the USB are:

- MP3
- MP4
- M4A
- M4B
- AAC
- 3GP
- WAV

My Media Library

MyMedia is only available when more than one indexed device is connected. It allows access to content from all indexed media sources. MyMedia will show as an available source in the Source page.

USB MP3 Player and USB Devices

The USB MP3 players and USB devices connected must comply with the USB Mass Storage Class specification (USB MSC).

To play a USB device:

1. Connect the USB.
2. Touch Audio from the Home Page.
3. Touch More and then touch the USB device.

Use the following when playing an active USB source:

▷ **:** Touch to play the current media source.

II : Touch to pause playback of the current media source.

⏮**:**

- Touch to seek to the beginning of the current or previous track.
- Touch and hold to reverse quickly through playback. Release to return to playing speed. Elapsed time displays.

⏭**:**

- Touch to seek to the next track.
- Touch and hold to advance quickly through playback. Release to return to playing speed. Elapsed time displays.

Shuffle : Touch the shuffle icon to play music in random order.

USB Sound Menu

See "Infotainment System Sound Menu" under *AM-FM Radio ⇨ 76*.

USB Browse Menu

When a list of songs, albums, artists, or other types of media displays, the up and down arrows and A-Z appear on the left side. Select A-Z to view a display that will show all letters of the alphabet and select the letter to go to.

Touch the up and down arrows to move the list up and down.

Touch and the following may display:

Playlists:

1. Touch to view the playlists stored on the USB.
2. Touch a playlist to view the list of all Songs in that playlist.
3. Touch a song from the list to begin playback.

Supported Playlist extensions are m3u, pls.

Artists:

1. Touch to view the list of artists stored on the USB.
2. Touch an artist name to view a list of all albums by the artist.
3. To select a song, touch All Songs or touch an album and then touch a song from the list.

Songs:

1. Touch to display a list of All Songs on the USB.
2. To begin playback, touch a song from the list.

Albums:

1. Touch to view the albums on the USB.
2. Touch the album to view a list of All Songs on the album.
3. Touch a song from the list to begin playback.

Genres:

1. Touch to view the genres on the USB.
2. Touch a genre to view a list of artists.
3. Touch an artist to view albums by that artist.
4. Touch an album to view songs on the album.
5. Touch a song to start playback.

iTunes Radio : Touch to view iTunes Radio on the iPhone to get a list of stations.

Compilations : Touch to view the Compilations on the USB.

Composers:

1. Touch to view the composers on the USB.
2. Touch a Composer to view a list of albums by that composer.
3. Touch an album or All Songs to view a list of songs.
4. Touch a song from the list to begin playback.

Folders:

1. Touch to view the directories on the USB.
2. Touch a folder to view a list of all files.
3. Touch a file from the list to begin playback.

Podcasts : Touch to view the podcasts on the USB and get a list of podcast episodes.

Audiobooks:

1. Touch to view the audiobooks stored on the USB.
2. Touch an audiobook to get a list of chapters.
3. Touch the chapter from the list to begin playback.

File System and Naming

File systems supported by the USB are:

- FAT32
- HFS+

The songs, artists, albums, and genres are taken from the file's song information and are only displayed if present. The radio displays the file name as the track name if the song information is not available.

Supported Apple Devices

To view supported devices, your dealer can help, or go to the Owner's section at www.holden.com.au.

Storing and Recalling Media Favourites

To store media favourites, touch Browse to display a list of media types.

Select from one of the following Browse options to save a favourite:

Playlists : Touch ☆ next to any playlist to store the playlist as a favourite. Touch a saved favourite to recall a favourite playlist. The first song in the playlist begins to play.

Artists : Touch ☆ next to any artist to store the artist as a favourite. Touch a saved favourite to recall a favourite artist. The first song in the artist list begins to play.

Songs : Touch ☆ next to any song to store the song as a favourite. Touch a saved favourite to recall a favourite song.

Albums : Touch ☆ next to any album to store the album as a favourite. Touch a saved favourite to recall a favourite album. The first song in the album list begins to play.

Genres : Touch ☆ next to any genre to store the genre as a favourite. Touch a saved favourite to recall a favourite genre. The first song of the genre begins to play.

Podcasts : Touch ☆ next to any podcast to store the podcast as a favourite. Touch a saved favourite to recall a favourite podcast. The podcast begins to play.

Audiobooks : Touch ☆ next to any audiobook to store the audiobook as a favourite. Touch a

saved favourite to recall a favourite audiobook. The first chapter in the audiobook begins to play.

Media Playback and Mute

USB playback will be paused if the system is muted. If the steering wheel mute control is pressed again, playback will resume.

If the source is changed while in mute, playback resumes and audio will unmute.

Bluetooth Audio

Music may be played from a paired Bluetooth device. See *Bluetooth (Pairing and Using the Phone)* ⇨ *84* or *Bluetooth (Overview)* ⇨ *83* for help pairing a device.

Volume and song selection may be controlled by using the infotainment controls or the mobile device. If Bluetooth is selected and no sound is present, check the volume setting on both your mobile device and the infotainment system.

Music can be launched by touching Bluetooth from the recent sources list on the left of the display or by touching More and then touching the Bluetooth device.

To play music via Bluetooth:

1. Power on the device, and pair to connect the device.
2. Once paired, touch Audio from the Home Page, then touch Bluetooth from the recent sources list on the left of the display.

Bluetooth Sound Menu

See "Infotainment System Sound Menu" under *AM-FM Radio* ⇨ *76*.

Manage Bluetooth Devices

From the Home Page:

1. Touch Audio.
2. Touch More.
3. Touch Bluetooth.
4. Touch Devices to add or delete devices.

When touching Bluetooth, the system may not be able to launch the audio player on the connected device to start playing. When the vehicle is not moving, use the mobile device to begin playback.

All devices launch audio differently. When selecting Bluetooth as a source, the system may show as paused on the display. Press play on the device or touch ▷ on the display to begin playback.

Browse functionality will be provided where supported by the Bluetooth device. This media content will not be part of the MyMedia source mode.

Some smartphones support sending Bluetooth music information to display on the system. When the system receives this information, it will check to see if any is available and display it. For more information about supported Bluetooth features, your dealer can help, or go to the Owner's section at www.holden.com.au.

Phone

Bluetooth (Overview)

The Bluetooth-capable system can interact with many mobile devices, allowing:

- Placement and receipt of calls in a hands-free mode.
- Sharing of the device's address book or contact list with the vehicle.

To minimise driver distraction, before driving, and with the vehicle parked:

- Become familiar with the features of the mobile device. Organise the phone book and contact lists clearly and delete duplicate or rarely used entries. If possible, program speed dial or other shortcuts.
- Review the controls and operation of the infotainment system.
- Pair mobile device(s) to the vehicle. The system may not work with all mobile devices. See "Pairing" later in this section.

Vehicles with a Bluetooth system can use a Bluetooth-capable mobile device with a Hands-Free Profile to make and receive phone calls. The infotainment system and voice recognition are used to control the system. The system can be used while the ignition is on or in ACC/ ACCESSORY. The range of the Bluetooth system can be up to 9.1 m. Not all mobile devices support all functions and not all mobile devices work with the Bluetooth system.See your dealer, or go to the Owner's section at www.holden.com.au for more information about compatible mobile devices.

Controls

Use the controls on the instrument panel and the steering wheel to operate the Bluetooth system.

Steering Wheel Controls

/ : Press to answer incoming calls and start voice recognition on your connected Bluetooth mobile device.

/ : Press to end a call, decline a call, or cancel an operation. Press to mute or unmute the infotainment system when not on a call.

Infotainment System Controls

For information about how to navigate the menu system using the infotainment controls, see *Overview* ⇨ 72.

PHONE : Touch the Phone icon on the Home Page to enter the phone main menu.

Audio System

When using the Bluetooth mobile device system, sound comes through the vehicle's front audio system speakers and overrides the audio system. The volume level while on a mobile device call can be adjusted by pressing the steering wheel controls or the volume control

on the instrument panel. The adjusted volume level remains in memory for later calls. The volume cannot be lowered beyond a certain level.

Bluetooth (Pairing and Using the Phone)

Pairing

A Bluetooth-enabled mobile device must be paired to the Bluetooth system and then connected to the vehicle before it can be used. See the mobile device manufacturer's user guide for Bluetooth functions before pairing the mobile phone.

Pairing Information

- If no mobile device has been connected, the Phone main page on the infotainment display will show the Connect Phone option. Touch this option to connect. Another way to connect is to touch the Phones tab at the top right of the display and then touch Add Phone.
- A Bluetooth smartphone with music capability can be paired to the vehicle as a smartphone and a music player at the same time.
- Up to 10 devices can be paired to the Bluetooth system.
- The pairing process is disabled when the vehicle is moving.
- Pairing only needs to be completed once, unless the pairing information on the mobile phone changes or the mobile phone is deleted from the system.
- If multiple paired mobile phones are within range of the system, the system connects to the paired mobile phone that is set to First to Connect. If there is no mobile phone set to First to Connect, it will link to the mobile phone which was used last. To link to a different paired mobile phone, see "Linking to a Different Phone" later in this section.

Pairing a Phone

1. Make sure Bluetooth has been enabled on the mobile phone before the pairing process is started.
2. Touch the Phone icon on the Home Page or the phone icon on the shortcut tray near the bottom of the display.
3. Touch Phones at the top of the infotainment display. There is also a Connect Phones option in the middle of the Phone display which will shortcut to the Phone List menu.
4. Touch Add Phone.
5. Select the vehicle name shown on your mobile phone's Bluetooth Settings list.
6. Follow the instructions on the mobile phone to confirm the six-digit code showing on the infotainment display and touch Pair. The code on the mobile phone and infotainment display will need to be acknowledged for a successful pair.

7. Start the pairing process on the mobile phone to be paired to the vehicle. See the mobile phone manufacturer's user guide for information on this process. Once the mobile phone is paired, it will show under Connected.
8. If the vehicle does not appear on your mobile phone, there are a few ways to start the pairing process over.
   - Turn the mobile phone off and then back on.
   - Go back to the beginning of the Phone menus on the infotainment display and restart the pairing process.
   - Reset the mobile phone, but this step should be done as a last-effort.
9. If the mobile phone prompts to accept connection or allow phone book download, touch Always Accept and Allow. The phone book may not be available if not accepted.
10. Repeat Steps 1–8 to pair additional mobile phones.

First to Connect Paired Phones

If multiple paired mobile phones are within the range of the system, the system connects to the paired mobile phone that is set as First to Connect. To enable a paired mobile phone as the First to Connect phone:

1. Make sure the mobile phone is turned on.
2. Touch Settings, then touch System.
3. Touch Phones to access all paired and all connected mobile phones and mobile devices.
4. Touch the information icon to the right of the mobile phone to open the mobile phone's settings menu.
5. Touch the First to Connect option, to enable the setting for that device.

Mobile phones and mobile devices can be added, removed, connected, and disconnected. A sub-menu will display whenever a request is made to add or manage mobile phones and mobile devices.

Secondary Phone

A phone can be enabled as a Secondary Phone by touching the information icon to the right of the paired phone name to open the phone settings menu. If a phone is enabled as a Secondary Phone, it can connect simultaneously alongside another Bluetooth mobile device. In doing so, the Secondary Phone will be labelled as Incoming Calls. This means the mobile device can only receive calls. The Address Book of a Secondary Phone will not be available and hands-free outgoing calls cannot be placed using this phone.

If needed, touch the Secondary Phone while in the Phones list to swap it into the Outgoing and Incoming role. This role makes it possible to place outgoing calls from the Contacts and Recents list.

Listing All Paired and Connected Phones

1. Touch the Phone icon on the Home Page or the phone icon on the shortcut tray near the bottom of the display.
2. Select Phones.

Disconnecting a Connected Phone

1. Touch the Phone icon on the Home Page.
2. Select Phones.
3. Touch the information icon next to the connected mobile phone or mobile device to show the mobile phone's or mobile device's information display.
4. Touch Disconnect.

Deleting a Paired Phone

1. Touch the Phone icon on the Home Page or the phone icon on the shortcut tray near the bottom of the display.
2. Select Phones.
3. Touch the information icon next to the connected mobile phone to display the mobile phone's or mobile device's information display.
4. Touch Forget Device.

Linking to a Different Phone

To link to a different mobile phone, the new mobile phone must be in the vehicle and paired to the Bluetooth system.

1. Touch the Phone icon on the Home Page or the phone icon on the shortcut tray near the bottom of the display.
2. Select Phones.
3. Touch the new mobile phone to link to from the not connected phone list. See *Settings* ⇨ *90* for more information about setting the device as the First to Connect or as a Secondary Phone.

Switching to Handset or Hands free Mode

To switch between handset or handsfree mode:

- While the active call is hands-free, touch the Handset option to switch to the handset mode.

  The mute icon will not be available nor functional while Handset mode is active.
- While the active call is on the handset, touch the Handset option to switch to the hands-free mode.

Making a Call Using Contacts and Recent Calls

Calls can be made through the Bluetooth system using personal mobile phone contact information for all mobile phones that support the Phone Book feature. Become familiar with the mobile phone settings and operation. Verify the mobile phone supports this feature.

The Contacts menu accesses the phone book stored in the mobile phone.

The Recents menu accesses the Recents call list from your mobile phone.

To make a call using the Contacts menu:

1. Touch the Phone icon on the Home Page.
2. Touch Contacts.
3. The Contacts list can be searched by using the first character. Touch A-Z on the infotainment display to scroll through the list of names.

   Touch the name to call.
4. Select the desired contact number to call.

To make a call using the Recents menu:

1. Touch Phone on the Home Page.
2. Touch Recents.
3. Select the name or number to call.

Making a Call Using the Keypad

To make a call by dialling the numbers:

1. Touch the Phone icon on the Home Page.
2. Touch Keypad and enter a mobile phone number.
3. Touch on the infotainment display to start dialling the number.

Searching Contacts Using the Keypad

To search for contacts using the keypad:

1. Touch the Phone icon on the Home Page.
2. Touch Keypad and enter partial mobile phone numbers or contact names using the digits on the keypad to search.

   Results will show on the right side of the display. Touch one to place a call.

Accepting or Declining a Call

When an incoming call is received, the infotainment system mutes and a ring tone is heard in the vehicle.

Accepting a Call

There are two ways to accept a call:

- Press / on the steering wheel controls.
- Touch Answer on the infotainment display.
- Select Answer on the instrument cluster using the select control.

Declining a Call

There are two ways to decline a call:

- Press / on the steering wheel controls.
- Touch Ignore on the infotainment display.
- Select Ignore on the instrument cluster using the select control.

Call Waiting

Call waiting must be supported on the Bluetooth mobile phone and enabled by the phone's service provider to work.

Accepting a Call

- Press / on the steering wheel controls.
- Touch Switch on the infotainment display.
- Select Switch on the instrument cluster using the select control.

Declining a Call

- Press / on the steering wheel controls.
- Touch Ignore on the infotainment display.
- Select Ignore on the instrument cluster using the select control.

Switching Between Calls (Call Waiting Calls Only)

To switch between calls, touch Phone on the Home Page to display Call View. While in Call View, touch the call information of the call on hold to change calls.

Three-Way Calling

Three-way calling must be supported on the Bluetooth mobile phone and enabled by the phone's service provider to work.

To start a three-way call while in a current call:

1. In the Call View, touch Add Call to add another call.
2. Initiate the second call by selecting from Recents, Contacts, or Keypad.
3. When the second call is active, touch the merge icon to conference the three-way call together.

Ending a Call

- Press / on the steering wheel controls.
- Touch on the infotainment display, next to a call to end only that call.
- Select End on the instrument cluster using the select control.

Dual Tone Multi-Frequency (DTMF) Tones

The in-vehicle Bluetooth system can send numbers during a call. This is used when calling a menu-driven phone system. Use the Keypad to enter the number.

Apple CarPlay and Android Auto

If equipped, Android Auto and/or Apple CarPlay capability may be available through a compatible smartphone. If available, the Android Auto and Apple CarPlay icons will appear on the Home Page of the infotainment display.

To use Android Auto and/or Apple CarPlay:

1. Download the Android Auto app to your smartphone from the Google Play store. There is no app required for Apple CarPlay.
2. Connect your Android phone or Apple iPhone by using the compatible smartphone USB cable and plugging into a USB data port. For best performance, use the device's factory-provided USB cable. Aftermarket or third-party cables may not work.
3. When the phone is first connected to activate Apple CarPlay or Android Auto, the message "Device Projection Privacy Consent" will appear.
   - Touch Continue to launch Apple CarPlay or Android Auto.
   - Touch Disable to remove Apple CarPlay and Android Auto capability from the vehicle Settings menu. Other functions may still work.

The Android Auto and Apple CarPlay icons on the Home Page will illuminate depending on the smartphone. Android Auto and/or Apple CarPlay may automatically launch upon USB connection. If not, touch the Android Auto or Apple CarPlay icon on the Home Page to launch.

Press ⌂ on the instrument panel to return to the Home Page.

For further information on how to set up Android Auto and Apple CarPlay in the vehicle, see your dealer for details.

Android Auto is provided by Google and is subject to Google's terms and privacy policy. Apple CarPlay is provided by Apple and is subject to Apple's terms and privacy policy. Data plan rates apply. For Android Auto support see https://support.google.com/androidauto. For Apple CarPlay support see www.apple.com/ios/carplay/. Apple or Google may change or suspend availability at any time. Android Auto, Android, Google, Google Play, and other marks are trademarks of Google Inc.; Apple CarPlay is a trademark of Apple Inc.

Press ⌂ on the instrument panel to exit Android Auto or Apple CarPlay. To enter back into Android Auto or Apple CarPlay, press and hold ⌂ on the instrument panel.

Apple CarPlay and Android Auto can be disabled from the infotainment system. To do this, touch Home, Settings, and then touch the Apps tab along the top of the display. Use the On/Off toggled to turn off Apple CarPlay or Android Auto.

Settings

The settings menu may be organised into three categories.

Select the desired category by touching System, Apps, or Vehicle.

To access the menus:

1. Touch the Settings icon on the Home Page on the infotainment display.
2. Touch the desired category to display a list of available options.
3. Touch to select the desired feature setting.
4. Touch ◯ or | to turn off or on a feature.
5. Touch ✕ to go to the top level of the Settings menu.

System

The menu may contain the following:

Time / Date

Use the following features to set the clock:

- Automatic Time Date: Touch On to have the time and date automatically set. When this feature is off, the time and date can be manually set.
- Set Time: Touch to manually set the time using the controls on the infotainment display.
- Set Date: Touch to manually set the date using the controls on the infotainment display.
- Use 24-hour Format: Touch to specify the clock format shown.

  Touch Off or On.

Language

This will set the display language used on the infotainment display.

Touch Language and select the appropriate language.

Phones

Touch to connect to a different mobile phone or mobile device source, disconnect a mobile phone or media device, or delete a mobile phone or media device.

Display

Touch and the following may display:

- Touch and Turn Display Off displays.

  Touch to turn the display off. Touch anywhere on the infotainment display area or any control on the instrument panel again to turn the display on.

Sounds

Touch and the following may display:

- Maximum Startup Volume: This feature adjusts the maximum volume of the infotainment system when you start your vehicle. To set the maximum

startup volume, touch the controls on the infotainment display to increase or decrease.

- Audible Touch Feedback: This setting determines if a sound plays when touching the infotainment display or radio controls. This feature can be turned off or on.

Favourites

Touch and the following may display:

- Manage Favourites: Touch to display a list of Audio, Mobile Devices.

  Favourites can be moved, renamed, or deleted.

  To move, touch and hold on the favourite, and then drag up or down to rearrange the position.
- Set Number of Audio Favourites: Touch to select how many favourites pages can be viewed from the audio application. The Auto setting will automatically adjust this number based on the number of favourites you have saved. Touch Auto, 5, 10, 15, 20, 25, 30, 35, or 40.

About

Touch to view the infotainment system software information.

Return to Factory Settings

Touch and the following may display:

- Reset Vehicle Settings: Resets all vehicle settings for the current user.

  Touch Reset or Cancel.
- Erase Settings and Personal Data: Erases app data settings, user profiles, and personal data including mobile device data.

  Touch Erase or Cancel.

Apps

The menu may contain the following:

Android Auto

This feature allows you to interact directly with your mobile device on the infotainment display. See *Apple CarPlay and Android Auto* ⇨ *88*.

Touch Off or On.

Apple CarPlay

This feature allows you to interact directly with your mobile device on the infotainment display. See *Apple CarPlay and Android Auto* ⇨ *88*.

Touch Off or On.

Audio

Depending on the current audio source, different options will be available.

Touch and the following may display:

- Tone Settings: Touch to adjust Equaliser, Fade/Balance, or Sound Mode. See "Infotainment System Sound Menu" in *AM-FM Radio* ⇨ *76*.

- Auto Volume: This feature adjusts the volume based on the vehicle speed.

  Touch Off, Low, Medium-Low, Medium, Medium-High, or High.

- Manage Favourites: Touch to display a list of Audio, Mobile Devices.

  Favourites can be moved, renamed, or deleted.

  To move, touch and hold on the favourite, and then drag up or down to rearrange the position.

- Set Number of Audio Favourites: Touch to select how many favourites pages can be viewed from the audio application. The Auto setting will automatically adjust this number based on the number of favourites you have saved. Touch Auto, 5, 10, 15, 20, 25, 30, 35, or 40.

- RDS: This allows the Radio Data System (RDS) to be turned on or off.

  Touch the controls on the infotainment display to disable or enable.

- Manage Devices: Select to connect to a different phone source, disconnect a phone, or delete a phone.

- Reset Music Index: This allows the music index to be reset if you are having difficulty accessing all of the media content on your device.

  Touch Yes or No.

Phone

Touch and the following may display:

- My Number: Displays the mobile phone number of the Bluetooth connected device.

- Active Call View: Shows active call display when answering a call.

  Touch the controls on the infotainment display to disable or enable.

- Sort Contacts: Touch to sort by first or last name.

- Re-sync phone Contacts:

  This allows the device contacts to re-sync if you are having difficulty accessing all of the contacts on your mobile phone.

Vehicle

This menu allows adjustment of different vehicle features. See *Vehicle Personalisation* ⇨ *62*.

Climate Controls

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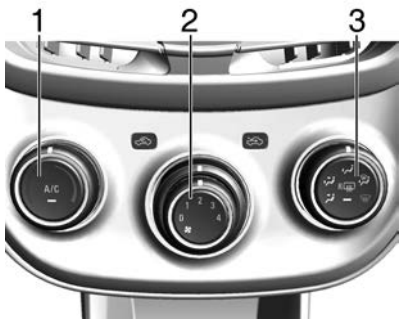
Climate Control Systems

Air Conditioning System

⚠ Danger

Do not sleep with the air conditioning or heating system on. Serious harm or death may occur due to a drop in oxygen level and/or body temperature.

Controls



Temperature (1)

Rotate the temperature switch:

Red : Warm

Blue : Cold

Fan (2)

Rotate the fan speed switch to the desired speed, between **0** and **4**.

Mode (3)

Select an air outlet by rotating the mode switch. Air is directed:

: To the instrument panel vents.

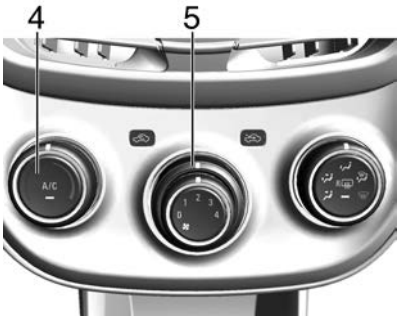
: To the instrument panel vents and floor vents.

: To the floor vents. A small amount of air is directed to the windscreen, outer instrument panel vents and side window demist vents.

: Between the windscreen and floor vents, some to the outer instrument panel vents and side window demist vents.

: To the windscreen and side window demist vents, with a small amount of air to the outer instrument panel vents.

Air conditioning (4)



1. Turn the ignition on.
2. Rotate the fan speed switch to the desired speed.
3. Rotate the temperature switch to within the blue zone.
4. Rotate the mode switch to select an air outlet.
5. Adjust the angle of the air vents.
6. Press **A/C**. The light in the button illuminates.

Note

- To conserve fuel, the air conditioning can be switched off.
- Warm air will be directed to the air outlets if the temperature switch is in the red zone, even when **A/C** is pressed.

Recirculation (5)

Rotate the recirculation knob to the left .

Note

- Recirculation reuses interior air so is not recommended for long periods of time.
- Do not use recirculation if occupants are smoking.

Maximum cooling

Use maximum cooling for quick cooling of the passenger compartment.

1. Start the engine.
2. Press **A/C**.

   The light in the button illuminates.
3. Rotate Recirculation knob to the left .
4. Rotate the temperature switch to cold air.
5. Rotate the mode switch to .

6. Adjust the angle of the air vents.
7. Rotate the fan speed switch to the desired speed.

Windscreen demister

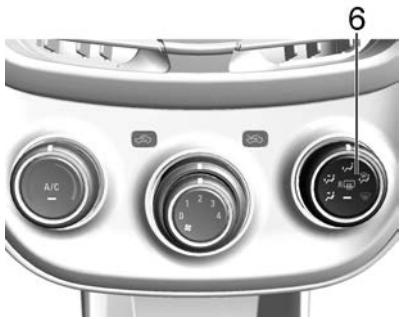
1. Rotate the mode switch to .
2. Rotate the temperature switch to the desired temperature.
3. Rotate the fan speed switch to the desired speed.
4. Open the side air vents and direct towards the door windows.

   If the mode switch is set to Defrost mode , A/C will be operated automatically and be set to demist or defrost as quickly as possible regardless of indicator status.
5. In winter, rotate the recirculation knob to .

Off

Rotate the fan speed switch to **0** to switch off all heating, ventilation and cooling.

Rear window demister (6)



1. Start the engine.
2. Press R to switch on or off.

   The light in the button illuminates when on.

   Heating is switched off automatically after a few minutes.

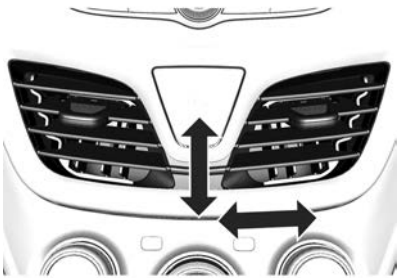
Caution
Do not use sharp objects or abrasive window cleaners on the rear window. Do not scratch or damage the wires when cleaning.

Note

If mode knob is set Defrost mode , A/C could be automatically operated and be fixed to demist or defrost as quickly as possible regardless of indicator status.

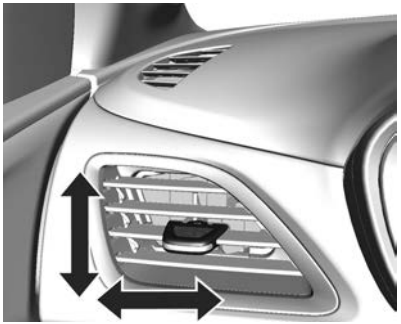
Air Vents

Adjustable Air Vents



Direct the air flow by tilting the slats.

The centre vents cannot be closed.



Direct the air flow by tilting the slats.

To close the outer vents, move the slats to outer side. (A small amount of air may still flow.)

⚠ Warning

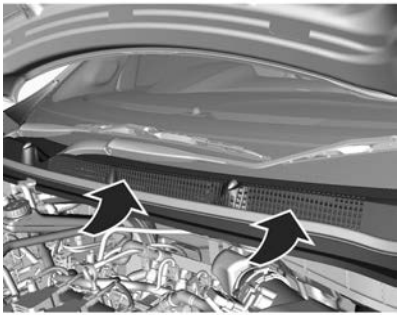
Do not attach objects to the vents. Damage or injury may occur.

Fixed air vents

Fixed air vents are located beneath the windscreen, front door windows and in the footwells.

Maintenance

Air Intake



Outside air is drawn into the vehicle through the opening between the bonnet and the windscreen.

Keep the area clear of debris.

Passenger Compartment Air Filter

Cabin air filtration

The pollen filter removes particulates such as pollen, dust, and soot from the cabin air inlet. The filter should be replaced as part of routine scheduled maintenance.

Caution
Have the pollen filter replaced if driving frequently on dusty and unpaved roads or in polluted areas.

Regular operation

Switch air conditioning on for at least 5 to 10 minutes once every two weeks to lubricate the system, even in winter.

Caution
Use only the correct Refrigerant and A/C Compressor Oil.

Water

Water condensation can leave traces of clear water on the ground underneath the vehicle.

Service

Have the air conditioning serviced at the frequency shown in the Maintenance schedule in the Service/Warranty Booklet.

Driving and Operating

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Driving Information

Control of a Vehicle

Never coast with engine not running

Many systems will not function in this situation (e.g. brake servo unit, power steering). Driving in this manner is a danger to yourself and others.

Idle boost

If charging of the vehicle battery is required due to vehicle battery condition, the power output of the generator must be increased. This will be achieved by an idle boost which may be audible.

Pedals

To ensure the pedal travel is uninhibited, there must be no loose mats in the area of the pedals.

Floor Mats ⇨ 168.

Before entering the vehicle

Check that windows, mirrors and lamps are clean.

Visually check tyre inflation. Check tyre pressures weekly.

Before driving off

1. Close and secure all doors.
2. Position the seat for comfortable driving.
3. Adjust rear view mirrors.
4. Fasten seat belts.
5. Check that warning indicators illuminate when turning the ignition on.

Control Indicators ⇨ 48.

Steering

Electric Power Steering

The vehicle has electric power steering. It does not have power steering fluid. Regular maintenance is not required.

If power steering assist is lost due to a system malfunction, the vehicle can be steered, but may require increased effort. See a Holden dealer if there is a problem.

If the steering wheel is turned until it reaches the end of its travel and is held against that position for an extended period of time, power steering assist may be reduced.

Normal use of the power steering assist should return when the system cools down.

Control indicator ⛐!. *Variable Effort Steering Light ⇨ 53*.

Caution

Do not turn and hold the steering wheel in the fully turned position when stationary.

If the steering assist is used for an extended period of time, power assist may be reduced.

(Continued)

Caution (Continued)

Normal use of the power steering assist should return when the system cools down.

Starting and Operating

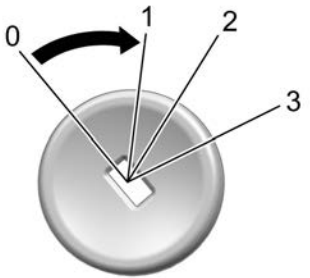
New Vehicle Break-In

Use the following precautions to improve performance:

- Do not make full throttle starts.
- Avoid downshifting to brake or slow the vehicle.
- Avoid hard stops except in emergencies to avoid premature wear and the need for early replacement of brakes.
- Avoid heavy acceleration and prolonged high-speed driving to avoid damage to the engine and to conserve fuel.
- Do not brake unnecessarily hard for the first few journeys.
- During the first drive, smoke may occur because of wax and oil evaporating off the exhaust system. Park the vehicle in the open for a while after the first drive and avoid inhaling the fumes.
- During the running-in period fuel and engine oil consumption may be slightly higher.

Ignition Positions

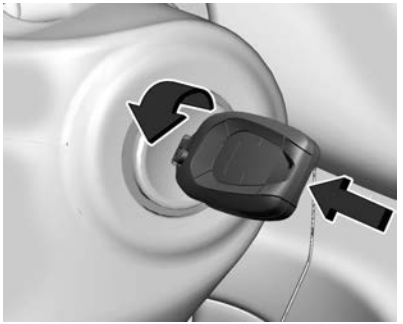
Vehicles with ignition switch



0 (LOCK) : When the key is in this position, some electrical accessories and the engine are off.

The key can only be inserted and removed from this position.

The engine is automatically disabled shortly after removing the key from the ignition.



To turn off the vehicle:

1. Make sure that the vehicle is stopped.
2. Shift to P (Park) with an automatic transmission or Neutral with a manual transmission.
3. Push the key all the way in towards the steering column, then turn the key to Ignition off.
4. Remove the key.
5. Set the parking brake.

The steering wheel is automatically locked when the key is removed.

To release the steering lock, re-insert the key and turn it towards the front of the vehicle. If still locked, turn the steering

wheel slightly to the right or left while turning the key towards the front of the vehicle.

1 (ACC) : When the key is in this position, the audio system operates.

2 (ON) : Warning lights will illuminate.

Do not leave the switch in the ON position for a long time, unless the engine is running, otherwise the vehicle's battery

will discharge.

3 (START) : Turn the key to this position and release when the engine is running.

⚠ Warning

Do not turn the engine off while the vehicle is moving as there will not be any power assist for

(Continued)

Warning (Continued)

brakes or steering. Never remove the key while the vehicle is moving, as this will lock the steering.

Vehicles with electronic key system

Electronic key must be inside the vehicle.

Accessory power mode : press Engine Start/Stop button once without operating the brake pedal. The yellow LED in the button illuminates. Steering wheel lock is released and some electrical functions are operable, ignition is off.

Ignition on power mode : press and hold Engine Start/Stop button for 6 seconds without operating brake pedal. The green LED in the button illuminates. Control indicators light up and most electrical functions are operable.

Engine start : press the brake pedal and press the Engine Start/ Stop button once. Release button after starting procedure begins.

Ignition off : press Engine Start/ Stop button briefly in each mode or when engine is running. Some functions remain active until the driver's door is opened.

Steering wheel lock

The steering wheel lock activates automatically when:

- the vehicle is stationary and
- the ignition has been switched off and

- the driver's door is opened.

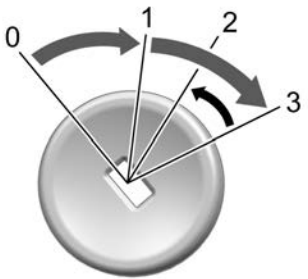
To release steering wheel lock, open and close driver's door and switch on accessory mode or start the engine directly.

⚠ Warning

If the vehicle battery is discharged, the vehicle must not be flat-towed or push started as the steering wheel lock cannot be disengaged.

Starting the Engine

Vehicles with ignition switch



Apply the park brake firmly.

Manual transmission : Press the clutch pedal to the floor and move the shift lever to the neutral position.

Automatic transmission : Move the shift lever to the park or neutral position.

Do not operate accelerator pedal.

Turn the key briefly to position **3** and release: An automatic procedure operates the starter with a short delay until the engine is running.

Before restarting or to switch off the engine, push the key all the way in towards the steering column, then turn the key back to position **0**.

Note

- Do not press the accelerator pedal while starting the engine.
- Do not subject the engine to full throttle acceleration or high speeds until it has reached normal operating temperature.

  Premature engine wear or damage may result.

Vehicles with electronic key system

Apply the park brake firmly.

Move the shift lever to the park or neutral position. Press the brake pedal

Do not operate accelerator pedal.

Press and release Engine Start/Stop button : an automatic procedure operates the starter with a short delay until the engine is running, see Automatic Starter Control.

Before restarting or to switch off the engine, press Engine Start/Stop button once more.

Note

- Do not press the accelerator pedal while starting the engine.
- Do not subject the engine to full throttle acceleration or high speeds until it has reached normal operating temperature.

  Premature engine wear or damage may result.

Starting the vehicle with a low transmitter battery

If either the electronic key fails or the battery of the electronic key is weak, the Driver Information Centre may display “No remote detected” when you try to start the vehicle.

Vehicle Messages ⇨ 57.

Place the electronic key in the centre console transmitter pocket. Press the brake pedal and press the Engine Start/Stop button.

To switch off the engine, press the Engine Start/Stop button again. Remove the electronic key from the transmitter pocket.

This option is intended for emergencies only. Replace the electronic key battery as soon as possible. *Remote Control ⇨ 9*

For unlocking or locking the doors see fault in remote control unit or electronic key system. *Remote Control ⇨ 9*.

Retained Accessory Power (RAP)

Retained power off

The following electrical systems operate for 10 minutes after the ignition is switched off:

- power windows
- power outlets
- Infotainment system

  The infotainment system can be turned back on.

Once the driver's door is opened after the ignition is switched off:

- the power windows operate for approximately 45 seconds, and
- the infotainment system will turn off but can be turned back on.

Parking

1. Apply the parking brake firmly without engaging the release button.
2. Automatic transmission: Select position **P**.

   Manual transmission : If facing uphill or on flat ground, select 1st gear. If facing downhill, select reverse gear.

   On an uphill gradient turn the front wheels away from the kerb.

   On a downhill gradient turn the front wheels towards the kerb.
3. Shut all windows.
4. Turn the ignition off and remove the key.
5. Press on the key to lock all doors. *Central Locking System* ⇨ *11*.

⚠ Warning

- Always apply parking brake. Apply the parking brake without pressing release button. Apply as firmly as possible on downhill or uphill slopes. Press the foot brake at the same time to reduce operating force.

(Continued)

Warning (Continued)

- Switch off the engine and ignition. Turn the steering wheel until the steering wheel lock engages.
- If the vehicle is on a level surface or uphill gradient, engage first gear before switching off the ignition. On an uphill gradient turn the front wheels away from the kerb.

  If the vehicle is on a downhill gradient, engage reverse gear before switching off the ignition. Turn the front wheels towards the kerb.
- Lock the vehicle.

⚠ Warning

Be careful where you park or drive. As with any vehicle, do not park or operate the vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system. Exhaust gases are hazardous, especially if they concentrate in closed rooms. Never leave the engine running in an enclosed space such as a closed garage or underground car park.

Extended Parking

It is better not to park with the vehicle running. If the vehicle is left running, follow the proper steps to ensure that the vehicle will not move and there is adequate ventilation. See *Engine Exhaust* ⇨ *105*.

If the vehicle is left in P (Park) while running and the Remote Keyless Entry (RKE) transmitter is outside the vehicle, the vehicle will turn off after one hour.

If the vehicle is left in P (Park) while running and the RKE transmitter is inside the vehicle, the vehicle will run for two hours. At the end of the second hour, the vehicle will switch off.

The timer will reset if the vehicle is taken out of P (Park) while it is running.

Engine Exhaust

⚠ Danger

Engine exhaust gases contain poisonous carbon monoxide, which is colourless and odourless and could be fatal if inhaled.

If exhaust gases enter the interior of the vehicle, open the windows. Have the cause of the fault rectified by a Holden dealer.

Avoid driving with an open load compartment, otherwise exhaust gases could enter the vehicle.

Catalytic Converter

The catalytic converter reduces the amount of harmful substances in the exhaust gases.

Caution
Use of low quality fuel or fuel with too low an octane number may damage the engine, the catalytic converter or electronic components. Unburnt petrol will overheat and damage the catalytic converter. Therefore avoid excessive use of the starter, running the fuel tank dry and starting the engine by pushing or towing.

If the engine misfires, runs unevenly, engine performance is reduced or other problems occur, contact a Holden Dealer as soon as possible.

In an emergency, drive for a short period, keeping the vehicle and engine speed low.

Automatic Transmission

Continuously Variable Transmission (CVT)

The CVT is electronically controlled to continuously provide the optimal gear ratio as you drive.

Starting the vehicle

1. Press the brake pedal while moving the shift lever to either the R, D or L position.

Caution
Do not shift between D (drive) and R (reverse) or P (park) while the vehicle is moving.

2. Release the park brake and the brake pedal.
3. Slowly press the accelerator pedal.

Transmission Display

The selected gear is indicated in the instrument cluster.

Shift lever

P : (park) In park position, the front wheels are locked. Select P only when the vehicle is stationary and the parking brake is applied.

R : (reverse) Place in reverse only when the vehicle is stationary.

N : (neutral)

D : (drive) Used for general driving.

L : (low) This position locks the transmission in an optimised low gear.

Select L for maximum engine braking when driving down steep gradients.

Caution

Do not accelerate while engaging a gear.

Never press the accelerator pedal and brake pedal at the same time.

When a gear is engaged, the vehicle slowly begins to creep when the brake is released.

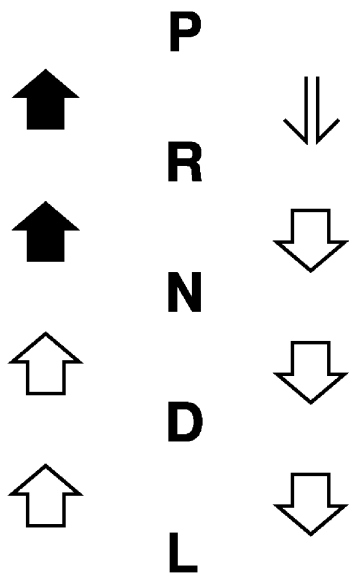
Do not use the P (park) position in place of the park brake.

Turn off the engine, apply the parking brake and remove the ignition key when leaving the vehicle.

Never leave the vehicle unattended while the engine is running.

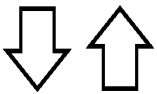
Movement between certain gear positions requires pressing the release button on the front of the shift lever.

Follow the descriptions as indicated by the arrows when shifting the shift lever.



Press the release button to select a gear.

Press the brake pedal and press the release button to select a gear.



Shift freely to select a gear.

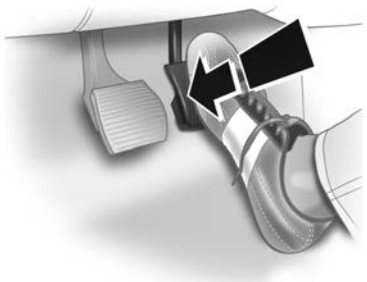
Engine braking

To utilise the engine braking effect, select L when driving downhill, if necessary.

Engine braking is most effective in drive range L. If drive range L is selected at too high a speed, the transmission remains in the current gear until the vehicle slows down.

Note
Use of engine compression during long mountainous descents may prolong the life of your brakes.

Kickdown



For faster acceleration:

- Press the accelerator pedal all the way down and hold.

  The transmission shifts to a lower gear ratio depending on the engine speed.

Fault

In the event of a fault, illuminates. The transmission no longer shifts automatically or manually because it is locked in a certain gear.

Contact a Holden Dealer.

Interruption of Power Supply

If the power supply is interrupted, the shift lever cannot be moved out of the P position.

If the battery is discharged, start the vehicle using jump leads. *Jump Starting ⇨ 161*.

If the battery is not the cause of the fault, release shift lever and remove the ignition key from the ignition lock (vehicles with ignition switch).

Release shift lever

This vehicle is equipped with a shift lock control. The shift lock control is designed to:

- Prevent movement of the shift lever out of P (park) unless the ignition is in ON/RUN and the brake pedal is applied.

The shift lock control is always functional except in the case of a discharged battery.

To shift out of P (park):

1. Apply the brake pedal.
2. Turn the ignition to ON/RUN.
3. Press the shift lever button.
4. Move the shift lever to the desired position.

If still unable to shift out of P (park):

1. Fully release the shift lever button.
2. Hold the brake pedal down and press the shift lever button again.
3. Move the shift lever to the desired position.

If the shift lever still cannot be moved from P (park), see Shift lock manual release.

Shift lock manual release

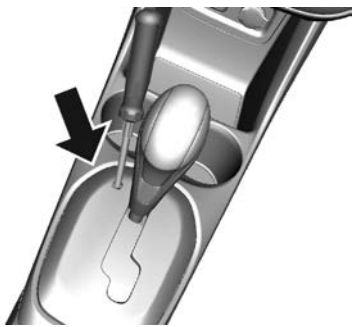
The automatic transmission has an electric park lock. The key must be in the ON/RUN position and the brake pedal pressed so that the shift lever can be moved from the P (park) position.

If the battery has discharged, the shift lever cannot be moved from P (park) unless the shift lock manual release is disengaged manually.

To access the shift lock manual release:

1. Apply the park brake.

2. Open the cover to the left of the shift lever.



3. Insert a flat-blade screwdriver into the opening as far as it will go and move the shift lever out of P (park).

   If P (park) is selected again, the shift lever will be locked again. Have the cause of the problem fixed by a Holden Dealer.

4. Close the cover.

Caution

To help prevent damage to the transmission, observe the following precautions.

Do not press the accelerator pedal while shifting from P or N to R, D or L. Use D as much as possible.

Never shift to P or R while the vehicle is in motion.

(Continued)

Caution (Continued)

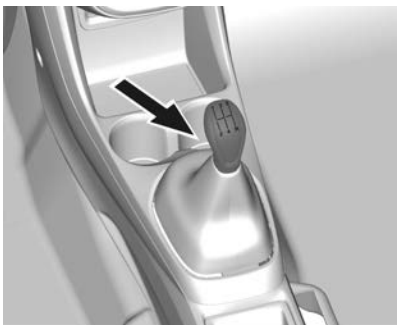
When stopping the vehicle on an uphill gradient, do not hold the vehicle in place by pressing the accelerator pedal. Use the foot brake.

Press the brake pedal when shifting from P or N to R or a forward gear.

Manual Transmission

⚠ Warning

If the vehicle has a manual transmission, never get out of the vehicle without first moving the shift lever into 1st or R (Reverse), setting the parking brake and turning the ignition off. The vehicle can roll, which could cause serious injury or death.



- When shifting from one gear to another, depress the clutch pedal to the floor.

- Do not engage reverse gear while the vehicle is still moving.
- Pause between pressing the clutch pedal and moving into reverse gear.

  If the gear does not engage, set the lever to neutral, release the clutch pedal and press again; then repeat gear selection.
- Whenever reverse gear is selected with the ignition on, the reverse lamps illuminate.
- Do not drive with your foot resting on the clutch pedal.
- When stopped on an incline, do not hold the vehicle stationary using the clutch. Use the park brake or foot brake.
- Shift to a lower gear when climbing steep gradients, before the engine starts to labour.
- Shift to a lower gear before descending steep gradients.
- Do not over rev the engine when shifting to a lower gear.

Caution
It is not advisable to drive with the hand resting on the shift lever.

Caution
Don't hold the shift lever except when shifting and selecting. Unnecessary shift lever movement can cause damage inside the transmission.

Brakes

The brake system comprises two independent brake circuits.

If a brake circuit fails, the vehicle can still be braked using the other brake circuit. However, braking effect is achieved only when the brake pedal is pressed firmly. Considerably more force is needed for this. The braking distance is extended. Contact a Holden Dealer.

When the engine is not running, the support of the brake servo unit is depleted once the brake pedal has been pressed once or twice. Braking effect is not reduced, but braking requires significantly greater force. It is especially important to bear this in mind when being towed.

Control indicator (!). *Brake and Clutch System Warning Light* ⇨ *53*.

⚠ Warning

After driving through water, washing the vehicle or using the brakes excessively such as when descending a steep hill, the brakes can temporarily lose their stopping power. This may be due to wet brake components or overheating. Shift to a lower gear when going down hills. Do not continuously apply the brakes.

To dry out the brakes:

- Ensure there is a clear area ahead.
- Lightly apply the brakes.
- Maintain a slow forward speed until performance returns to normal

Antilock Brake System (ABS)

ABS:

- Continuously monitors the vehicle's braking system, preventing the wheels from locking.
- Allows maximum braking effort while full steering control is retained, even in the event of panic braking.

⚠ Warning

Do not let this special safety feature tempt you into taking risks when driving. Traffic safety can only be achieved by adopting a responsible driving style. You should always adjust the vehicle's speed to suit road and traffic conditions. Always maintain an adequate distance to the vehicle in front of you.

Operation

ABS operation is noticeable by pulsing of the brake pedal and the noise of the regulation process.

The initial self-check may also be audible.

Keep the brake pedal fully pressed throughout the braking process, without pumping it.

Caution

If there is a malfunction with the ABS, the vehicle's brake system remains operational, but without ABS assistance. Have a Holden Dealer check the system as soon as possible.

Control indicator (ABS). *Antilock Brake System (ABS) Warning Light* ⇨ *53*.

Adaptive brake light

During full braking, all three brake lights flash for the duration of ABS control.

Fault

⚠ Warning

If there is a fault in the ABS, the wheels may be liable to lock due to braking that is heavier than normal. The advantages of ABS are no longer available. During hard braking, the vehicle can no longer be steered and may swerve.

Have the cause of the fault remedied by a Holden dealer.

Parking Brake

Applying the parking brake:

1. Apply the parking brake firmly without engaging the release button, and apply as firmly as possible when on an uphill or downhill gradient.

Releasing the parking brake:

1. Pull the lever slightly upwards.
2. Push in the release button on the top of the lever and lower the lever all the way down.

⚠ Warning

Never drive the vehicle with the parking brake applied.

Brake and Clutch System Warning Light ⇨ 53.

Brake Assist

If the brake pedal is pressed quickly and forcefully, maximum brake force is automatically applied (full braking).

Maintain steady pressure on the brake pedal for as long as full braking is required. Maximum brake force is automatically reduced when the brake pedal is released.

Hill Start Assist (HSA)

The system helps prevent unintended movement when driving away on inclines.

When releasing the foot brake after stopping on an incline, the brakes remain on for a further two seconds.

The brakes release automatically as soon as the vehicle begins to accelerate.

⚠ Warning

Do not rely on the HSA feature. HSA does not replace the need to pay attention and drive safely. You may not hear or feel alerts or warnings provided by this system. Failure to use proper care when driving may result in injury, death, or vehicle damage.

Ride Control Systems

Traction Control System (TCS)

TCS improves driving stability when necessary, regardless of the type of road surface or tyre grip, by preventing the driving wheels from spinning.

As soon as the driving wheels start to spin, engine output is reduced and the wheels are braked individually. This considerably improves the driving stability of the vehicle on slippery road surfaces.

TCS is activated as soon as the ignition is turned on.

⚠ Warning

Do not let this special safety feature tempt you into taking risks when driving.

Adapt speed to the road conditions.

Control indicator. *Electronic Stability Control (ESC) Indicator Light* ⇨ *54*.

Deactivation

TCS can be switched off when spinning of drive wheels is required:

1. Press OFF.

   illuminates

To reactivate TCS:

1. Press OFF again.

TCS is also reactivated the next time the ignition is turned on.

Fault

If there is a fault in the system the control indicator illuminates continuously and a message or a warning code appears in the Driver Information Centre. The system is not operational.

Have the cause of the fault remedied by a Holden dealer.

Electronic Stability Control (ESC)

ESC:

- Improves driving stability in any driving situation.
- Assists in maintaining vehicle stability when the vehicle's grip level is exceeded such as a sudden lane change, slippery or unexpected road conditions.
- Alters engine power and/or braking on specific wheels, improving the vehicle's steering control and power delivery, on wet or slippery roads, particularly on snow and ice.

ESC is operational as soon as the control indicator extinguishes.

When ESC is active flashes.

⚠ Warning

Do not let this special safety feature tempt you into taking risks when driving.

Traffic safety can only be achieved by adopting a responsible driving style. The vehicle's speed should always be adjusted to suit road and traffic conditions.

Control indicator . *Electronic Stability Control (ESC) Indicator Light* ⇨ *54*.

Deactivation

In certain circumstances, it may be helpful to disable the ESC, e.g. on steep gravel inclines, or if the vehicle is bogged. It may be possible to get more traction from a slightly spinning wheel.

Automatic transmission:

1. Press for more than 5 seconds.

   illuminates on the instrument cluster.

   The ESC is reactivated by pressing again.

Manual transmission:

1. Press OFF.

   OFF illuminates on the instrument cluster.

   The ESC is reactivated by pressing OFF again.

Fault

If there is a fault in the system the control indicator illuminates continuously and a message or a warning code appears in the Driver Information Centre. The system is not operational.

Have the cause of the fault remedied by a Holden dealer.

Object Detection Systems

Parking Assist

The vehicle may have rear parking assist.

Rear parking assist makes parking easier by measuring the distance between the vehicle and rear obstacles. It informs and warns the driver by giving acoustic signals and display indication.

The system has three ultrasonic parking sensors in the rear bumper.

⚠ Warning

The driver is always responsible for taking care and attention while manoeuvring the vehicle. Parking assist is only an aid and is neither intended nor able to take over any responsibility.

Always check the surrounding area when reversing while using the park assist system.

The park sensors may not be able to detect all objects under every condition e.g. objects too close to the vehicle, objects above or below the sensors, or objects with a surface that absorbs ultrasonic waves.

Additionally, some ambient conditions like ultrasonic waves or heavy rain can cause disruptive reflections from an object's surface. Such objects may not be detected.

(Continued)

Warning (Continued)

Always manoeuvre the vehicle slowly to allow yourself sufficient time to react. The warning tones may not sound if the vehicle's speed is above 9 km/h.

Activation

When reverse gear is engaged, the system is activated automatically. An obstacle is indicated by an audible tone.

The interval between the tones becomes shorter as the vehicle gets closer to the obstacle. When the distance is less than 50 cm, the tone sounds continuously.

Deactivation

The system automatically switches off when reverse gear is disengaged.

The parking assist can be turned off in Vehicle Settings. *Vehicle Personalisation* ⇨ *62*.

Fault

In the event of a fault in the system, P illuminates.

Additionally, if the system does not work due to temporary conditions like snow covered sensors, P illuminates.

Caution

Performance of the system can be reduced when sensors are covered, e.g. by ice, snow or mud.

Notes on operation

The system might not detect an obstacle when the vehicle is driven above 9 km/h.

Performance of the parking assist system can be reduced due to heavy loading of the vehicle.

Special conditions apply if there are taller vehicles involved in the parking scene (e.g. off-road vehicles). Object identification and correct distance indication of these vehicles cannot be guaranteed.

Objects with a very small reflection cross section, such as narrow or soft materials, may not be detected by the system.

Parking assist will not detect objects out of the detection range.

Rear Vision Camera (RVC)

The vehicle may have a rear vision camera.

The rear vision camera (RVC) system is designed to assist the driver when reversing by displaying a view of the area behind the vehicle.

The RVC cannot display objects:

- Close to the corners of the vehicle.
- Forward of the camera.
- Higher than the camera.

Note

- The distance of the objects seen on the display differs from the actual distance.
- The area displayed depends on the road condition and vehicle orientation.

⚠ Warning

Never rely solely on the rear vision camera when reversing the vehicle. There are blind spots that cannot be sensed by the camera.

The rear vision camera is not intended to replace the driver's judgement or attention toward the rear of the vehicle when reversing. The driver's complete attention is required when driving.

Before entering the vehicle, always check that the area around the vehicle is clear of obstacles and people.

(Continued)

Warning (Continued)

Always perform head checks and use the vehicle's mirrors when reversing.

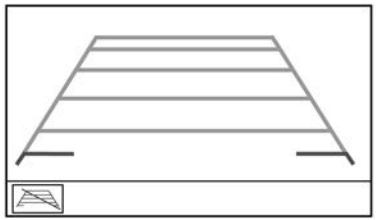
If the vehicle sustains any damage in the area of the rear vision camera, the camera may become misaligned. Contact your Holden Dealer.

Activation

When the ignition is in the ON position and the vehicle is shifted into R (Reverse), the rear vision camera image is displayed on the infotainment display.

Once the vehicle is shifted out of R, the infotainment system display returns to the previous screen.

Guidelines



When the camera image is displayed, guidelines are also displayed to assist with reversing the vehicle.

- Touch the symbol to hide the guidelines, touch to show the guidelines again.
  - The guidelines can also be turned off in Settings. *Settings* ⇨ *90*.

⚠ Warning

The driver is always responsible for taking care and attention while manoeuvring the vehicle.

The camera display and guidelines are only an aid and are neither intended to, nor able to take over any responsibility.

Camera location

The camera is located on the tailgate at the rear of the vehicle.

Cleaning

The lens requires regular cleaning to ensure optimum performance.

Use only a soft cloth, mild soap and water.

⚠ Warning

Do not use abrasive cleaners or scouring pads as they could scratch the lens, impairing the systems performance.

Always keep the camera lens free from dirt, snow or ice. Only use mild soap and water with a soft cloth to clean the lens.

If the system does not operate properly

The rear vision camera may not operate properly or display a clear image if:

- It is dark.
- The sun or headlight beams are shining directly into the camera lens.
- Ice, snow, mud, or anything else covers the camera lens.
- There are extreme temperature changes.
- The rear of the vehicle is damaged. The position and mounting angle of the camera can change or the camera can be affected. Have the camera and its position and mounting angle checked at your Holden dealer.

Driver Assistance Systems

⚠ Warning

Driver assistance systems are developed to support the driver and not to replace the driver's attention.

The driver accepts full responsibility when driving the vehicle.

When using driver assistance systems, always take care regarding the current traffic situation.

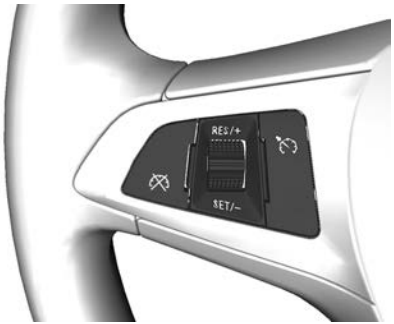
Cruise Control

The vehicle may have cruise control.

The cruise control system can maintain a set speed above 40 km/h. Deviations from the stored speeds may occur when driving uphill or downhill.

For safety reasons, the cruise control cannot be activated until the foot brake has been operated once.

Activating in first gear is not possible.



Do not use the cruise control if it is not advisable to maintain a constant speed.

Control indicator ⏲. *Control Indicators ⇨ 48*.

⚠ Warning

Do not use the cruise control when road or driving conditions require varying speeds.
A consistent speed isn't practical in heavy, varying traffic or on winding, slippery or rough roads.

The cruise control does not apply the vehicle's brakes. Therefore the vehicle may gain speed when going down steep hills.

When climbing steep hills, the vehicle may lose speed. You may need to switch off cruise control and use the accelerator pedal.

Switching on

Press ; the control indicator in the instrument cluster illuminates white.

Activation

1. Accelerate to the desired speed and turn the thumb wheel to **SET/-**: the current speed is stored and maintained.
2. The control indicator in the instrument cluster illuminates green.
3. The accelerator pedal can be released.

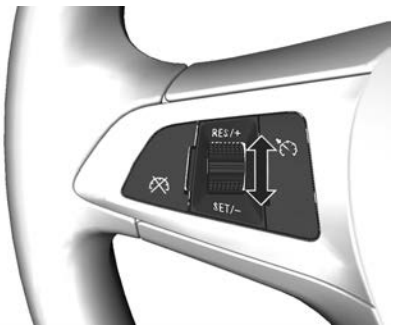
Vehicle speed can be increased by depressing the accelerator pedal. When the accelerator pedal is released, the previously stored speed is resumed.

Cruise control remains activated while gear shifting.

Increase speed

With cruise control active, hold thumb wheel turned to **RES/+** or briefly turn to **RES/+** repeatedly: speed increases continuously or in small increments.

Alternatively accelerate to the desired speed and store by turning to **SET/−**.



Reduce speed

With cruise control active, hold thumb wheel turned to **SET/-** or briefly turn to **SET/-** repeatedly: speed decreases continuously or in small increments.

Deactivation

Press ; control indicator in instrument cluster illuminates white. Cruise control is deactivated and the last used set speed is stored in memory for later speed resume.

Automatic deactivation:

- Vehicle speed is below approx. 40 km/h.
- The brake pedal is pressed.
- The clutch pedal is pressed for a few seconds.
- The shift lever is in neutral.
- Engine speed is in a very low range.
- The Traction Control system or Electronic Stability Control is operating.

Resume stored speed

Turn thumb wheel to **RES/+** at a speed above 40 km/h. The stored speed will be obtained.

Switching off

Press ⊘, control indicator ⊘ in instrument cluster extinguishes. The stored speed is deleted.

Fuel

⚠ Warning

EXHAUST WARNING – CARBON MONOXIDE POISONING: Exhaust gases can produce carbon monoxide, a dangerous gas which can cause unconsciousness and even death in both humans and animals.

Gases could be inhaled if the exhaust system on your vehicle is faulty.

To protect against exhaust gases entering the vehicle, the exhaust system and body should be inspected:

- Each time the vehicle is serviced.
- Whenever a change is noticed in the sound of the exhaust system.

(Continued)

Warning (Continued)

- Whenever the exhaust system, underbody or rear of the vehicle is damaged.

Take the vehicle to a Holden Dealer if you think the vehicle needs inspecting for any of the above reasons. Do not sit (or leave children or pets) in a parked vehicle for any extended period of time with the engine running. Do not run the engine in an enclosed area (such as the garage) any longer than is needed to move the vehicle.

Driving with the tailgate open is not recommended. If you must travel with the tailgate open, close all windows, ensure that the heater controls are set to outside (rather than recirculate) with air directed to the face and the fan on the highest speed. Do not exceed 50 km/h.

⚠ Warning

FUEL

Fuel is extremely flammable and highly explosive.

Always switch off the engine of the vehicle and any mobile phones when refuelling.

Do not smoke or allow open flames or sparks near the vehicle when refuelling. If fuel fumes are smelt while driving, the cause should be found and corrected without delay by a Holden Dealer.

Caution

FUEL ADDITIVES

Various additives are used in the formulation of good quality fuel and the use of supplementary additives in fuel is not required unless specified by Holden. Under no circumstances should

(Continued)

Caution (Continued)

fuel containing the manganese additive known as MMT (methyl cyclopentadienyl manganese tricarbonyl) be used, as this additive is known to cause contamination of catalytic converters and spark plugs and malfunction of On-Board-Diagnostic (OBD) systems. The use of fuel additives that are not recommended by Holden may affect your vehicle's warranty to the extent that Holden considers that the additives affect the specifications and quality of the vehicle.

Caution

USE OF FUEL CONTAINING ETHANOL

When purchasing such fuel, we recommend that the vehicle be operated on fuel containing no more than 10% ethanol.

Under no circumstances should fuel containing more than 10% ethanol be used. Use of such fuels may result in engine malfunction, starting and operating difficulties and materials degradation. These adverse effects could result in permanent damage to the vehicle and personal injury. It is also important to note that when ethanol blends are used, fuel consumption can be expected to increase due to the lower energy content of ethanol.

(Continued)

Caution (Continued)

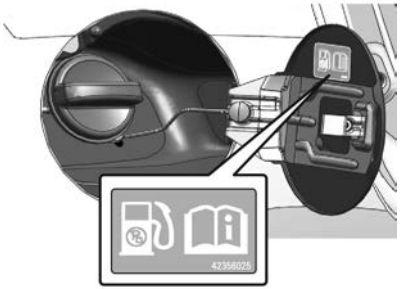
The use of fuel containing more than 10% ethanol may also affect your vehicle's warranty to the extent that Holden considers that the fuel affects the specifications and quality of your vehicle. The use of any fuel other than the fuel specified below may seriously damage the vehicle and may void the warranty. Only clean fuel of good quality should be used.

Fuel type

Use unleaded petrol of regular 91 Research Octane Number (RON) rating or higher.

Use of Premium unleaded petrol (95 RON or higher) may provide a small improvement in performance and fuel economy.

Filling the Tank



⚠ Danger

Before refuelling, switch off the engine and mobile phones.

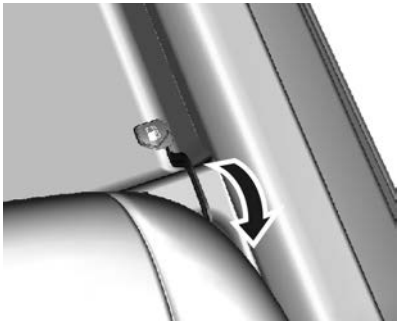
Follow the operating and safety instructions of the filling station when refuelling.

⚠ Danger

Fuel is flammable and explosive. No smoking. No naked flames or sparks.

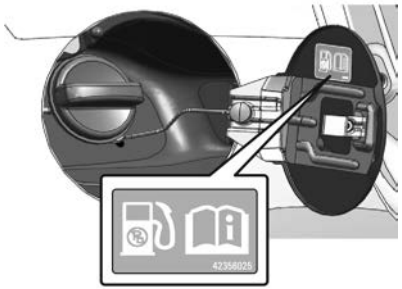
If you can smell fuel in your vehicle, have the cause of this remedied immediately by a Holden dealer.

1. Stop the engine.



2. Pull the fuel filler door release lever up.

3. Turn the fuel filler cap anticlockwise slowly. If a hissing sound is heard, wait for it to stop before completely unscrewing the cap. The fuel filler door is in the right rear quarter panel.



4. Remove the cap. The cap is tethered to the vehicle.
5. After refuelling, replace cap. Turn it clockwise until you hear one click.
6. Push the fuel filler door closed until it latches.

Note

If, in cold weather, the fuel filler door does not open, tap the door lightly. Then try to open it again.

Caution
Wipe off any overflowing fuel immediately.

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General Information

Where specified, use only Holden genuine parts and accessories.

Vehicle Storage

If the vehicle is to be stored for several months:

- Wash and wax the vehicle.
- Clean and preserve rubber seals.
- Change engine oil.
- Drain the washer fluid reservoir.
- Check coolant and corrosion protection.
- Adjust the tyre pressure to the value specified for a full load.
- Park the vehicle in a dry, well ventilated place.
- Place the shift lever in P (park) to prevent the vehicle from moving.
- Do not apply the park brake.
- Open the bonnet, close all doors and lock the vehicle.

  Disconnect the clamp from the negative terminal of the vehicle battery.

  Close the bonnet.

Before returning the vehicle to the road:

- Connect the clamp to the negative terminal of the vehicle battery.

  Check the power windows operation.
- Check the tyre pressures.
- Fill the washer fluid reservoir.
- Check the engine oil level.
- Check the coolant level.

Emission Information

The emission control systems are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) that are emitted from the engine and fuel system into the atmosphere. HC and NOx, when exposed to sunlight under certain conditions, contribute to photochemical smog. In addition, CO is toxic when it becomes highly concentrated in the air.

Emission Control System

Major emission control systems that the vehicle may have are:

1. Evaporative emission control system. This system is designed to prevent the escape of fuel vapour from the fuel system and recycle the vapours through the normal combustion process.
2. Crankcase emission control system. This system is designed to prevent blow-by gases from escaping into the atmosphere and recycle them through the combustion process.
3. Exhaust emission control system. The various components of this system operate collectively to limit HC, CO and NOx emissions in the exhaust petrol. The exhaust emission control system

consists of components including electronic control of spark, fuel and idle speed. In addition the vehicle has a catalytic converter and closed loop mixture control system.

It is recommended that service and repair to fuel or emission systems be carried out by an authorised Holden Dealer.

Owner responsibility

The engine, engine control system and exhaust system of the vehicle must NOT be modified in any way.

⚠ Warning

Any person who removes, modifies or hinders any part of the emission control system may be contravening Australian Design Rules. It is also illegal to drive a vehicle modified in this way.

Maintenance requirements

Have the vehicle serviced at the frequency shown in the Maintenance schedule, in the Service/Warranty Booklet.

It is recommended that servicing be carried out by an authorised Holden Dealer who will maintain the vehicle's emission control system as per the Service/Warranty Booklet.

It is recommended that all fluid levels are checked weekly.

Vehicle Checks

Doing Your Own Service Work

⚠ Warning

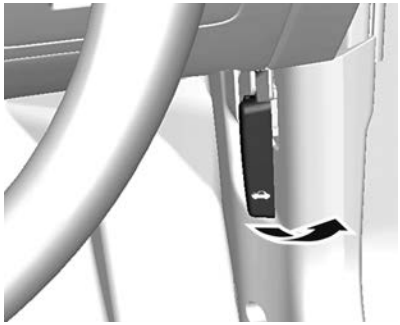
Do not touch engine compartment components when the ignition is on due to extremely high voltages.

Note

The cooling fan may still operate when the ignition is off.

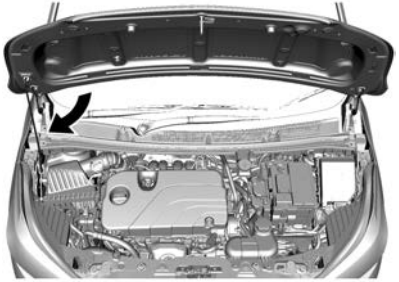
Bonnet

Opening



1. Pull the lever towards you.

2. Push the safety catch and open the bonnet.



⚠ Warning

When the engine is hot, only touch the foam padding of the support rod.

3. Pull the support rod away from the bonnet holder.
4. Rotate down and place into the catch alongside the engine compartment.

Closing

⚠ Warning

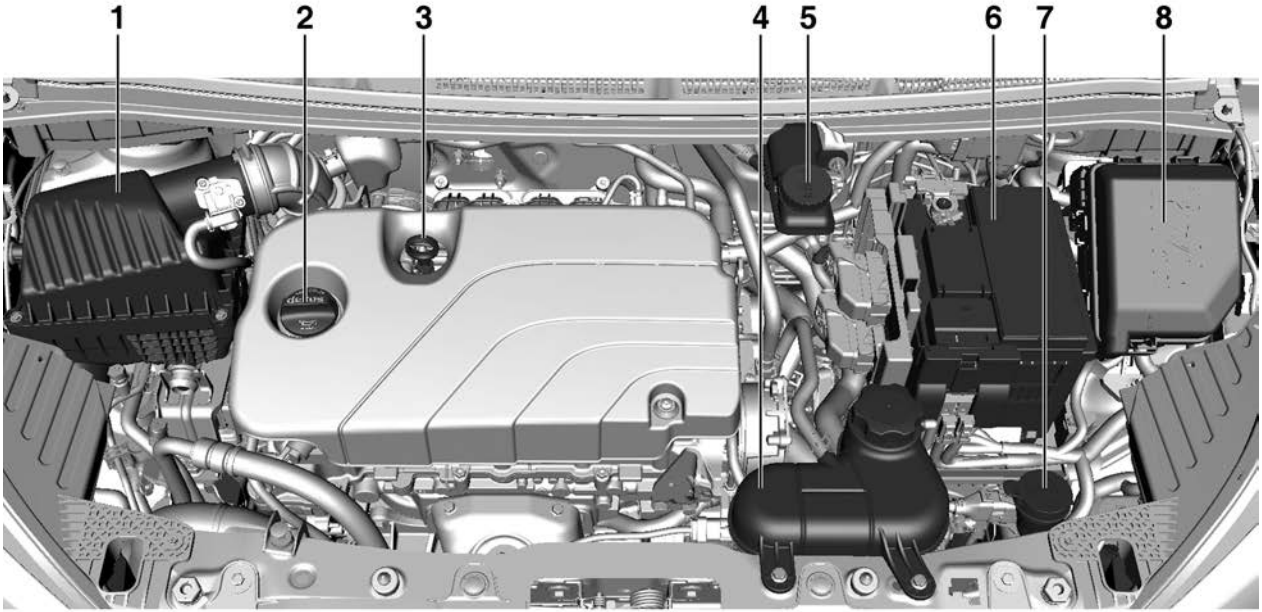
To avoid injury and/or damage to the vehicle, check each time, before the bonnet is closed, that the contact area is unobstructed.

1. Place the support rod into the bonnet holder.
2. Lower the bonnet and allow it to drop into the catch.
3. Check that the bonnet is engaged.

⚠ Warning

If while driving you notice that the bonnet has not been properly closed, pull the vehicle over to the side of the road at the earliest possible moment and close the bonnet correctly.

Engine Compartment Overview



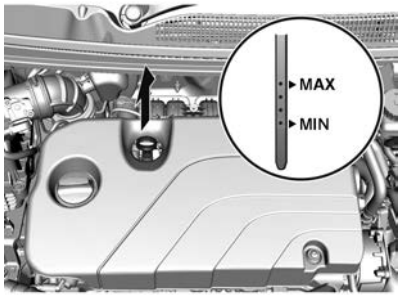
1. Engine air filter
2. Engine oil filler cap
3. Dipstick for engine oil
4. Engine coolant reservoir
5. Brake/clutch fluid reservoir
6. Battery
7. Washer fluid reservoir
8. Fuse box

Engine Oil

Checking oil level

- Check the engine oil level before a long journey.
- The engine must be at operating temperature and the ignition turned off for at least 5 minutes.

1. Park the vehicle on a level surface.
2. Remove the dipstick and wipe clean.
3. Insert the dipstick firmly.

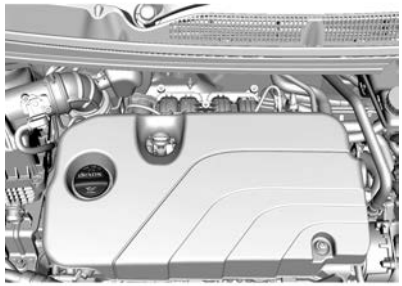


4. Remove and read the oil level.

   The level should be at the **MAX** mark. Add oil if the level is at the **MIN** mark.
5. Insert the dipstick to the stop on the handle and rotate half a turn.

Adding engine oil

Capacities and Specifications ⇨ 174.



1. Rotate the engine oil filler cap anticlockwise and remove.
2. Add enough oil to reach below the **MAX** mark on the dipstick.
3. Check the level on the dipstick and add further oil if necessary.

   The engine oil must not exceed the **MAX** mark on the dipstick.

Caution
Overfilled engine oil must be drained or suctioned out.

4. Replace the engine oil filler cap tightly by rotating clockwise.

Note

Non-detergent and other low quality oils, the use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended. Their use increases costs, may be detrimental to the operation of the vehicle and may void the New Vehicle Voluntary Warranty, to the extent that Holden considers the non-recommended fluid to have affected the specifications or quality of the vehicle.

⚠ Danger

Engine oil is an irritant and if ingested, can cause illness or death.

Keep out of reach of children.

Avoid repeated or prolonged contact with skin.

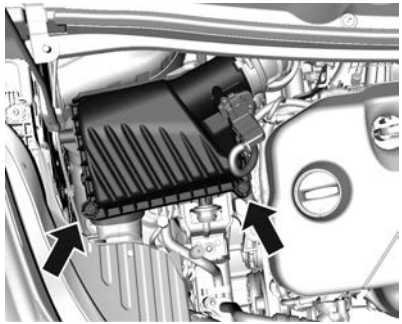
Wash exposed areas with soap and water or hand cleaner.

Be careful when draining the engine oil as it may be hot.

Engine oil change intervals

Refer to the Service/Warranty Booklet. Also refer to the engine oil life system. *Service Information ⇨ 169*.

Engine Air Cleaner/Filter



1. Remove the two screws.
2. Lift off the cover.
3. Replace the filter.
4. Replace the cover and tighten the two screws.

Caution

Do not operate the vehicle without the filter installed. Engine damage may occur.

Engine Coolant

Engine coolant level

Check the coolant level at least once a week.

Checking coolant level

⚠ Warning

Do not remove the coolant reservoir cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

If the cooling system is cold, the coolant level should be above the line on the coolant reservoir.

Adding coolant

Caution

If the coolant level is too low, engine damage may occur.

Do not spill coolant on the vehicle's exterior surfaces as it can damage the paintwork. If you do, wash it off immediately.

Note

Use only approved coolant. *Recommended Fluids and Lubricants* ⇨ *170*.

1. Turn the ignition off.
2. Remove the coolant reservoir cap.
3. Add the required amount of coolant.
4. Replace the cap securely. If the coolant requires regular topping up, contact a Holden Dealer.

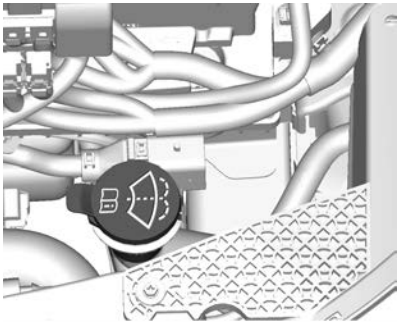
⚠ Warning

Avoid repeated or prolonged contact with coolant.

Wash off with soap and water.

Keep out of reach of children.

Washer Fluid



Check the fluid level weekly.

Adding washer fluid

1. Lift the front of the cap up.

   Use the correct amount of washer fluid additive. Refer to a Holden Dealer.

   Do not use ordinary soap or detergent as they froth up and damage the wiper rubbers.
2. Secure the cap.

Brake Fluid

⚠ Warning

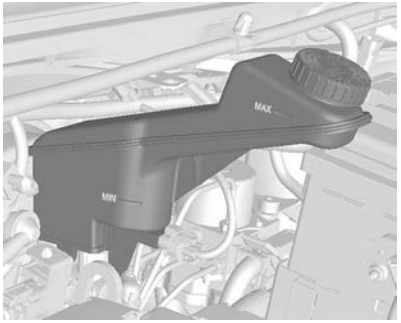
Brake fluid is poisonous and corrosive and will damage the paint finish of the vehicle if spilt.

Caution

Avoid contact with eyes and skin. Wash any affected area immediately.

For manual transmission vehicles, the brake fluid reservoir also supplies the clutch system.

Checking brake fluid level



Check the brake fluid level weekly.

The level should be between the **MIN** and **MAX** area.

If the fluid level is correct, do not remove the reservoir cap, as brake fluid exposed to the atmosphere will quickly absorb moisture.

Adding brake fluid

Recommended Fluids and Lubricants ⇨ 170.

1. Turn the ignition off.
2. Wipe the sides of the cap clean.
3. Rotate the brake fluid reservoir cap anticlockwise and remove.
4. Top up with the recommended brake fluid.

⚠ Warning

Using brake fluid other than GM recommended brake fluid may cause corrosion to components of the braking system and reduced braking performance.

Use only new brake fluid. Use of old, used or inferior brake fluid may endanger the functioning of the brake system.

5. Secure the cap and clean up any spilt fluid.

   If the brake fluid requires regular topping up, contact a Holden Dealer immediately.

Caution

Do not dispose of used brake fluid with household waste.

Use the local, authorised waste management facility.

Battery

⚠ Warning

Batteries emit an explosive gas mixture which may be ignited. Therefore, you should keep sparks and flames away from the battery at all times. Never smoke near a battery.

Batteries contain sulphuric acid. If acid contacts skin or clothing, flush immediately with plenty of water. In case of eye contact, flush with plenty of water and contact a doctor immediately.

(Continued)

Warning (Continued)

Battery acid also damages paint and fabrics. To minimise damage, wash off immediately.

Keep batteries out of the reach of children.

Take care with all metal objects and tools including items you may wear (for example jewellery, rings and metal watch bands) near battery terminals.

Battery replacement

For battery location, *Engine Compartment Overview* ⇨ *131*.

For replacement, refer to a Holden Dealer or authorised repairer.

Caution

Do not dispose of batteries with household waste.

Use the local, authorised waste management facility.

Battery disconnection

The battery may discharge if the vehicle is not used for approximately four weeks.

To disconnect the battery:

1. Turn the ignition off.
2. Disconnect the clamp from the negative terminal of the vehicle battery.

   Ensure the ignition is turned off before reconnecting the vehicle battery.

For emergency starting when the battery is flat. *Jump Starting* ⇨ *161*.

Wiper Blade Replacement

Front wiper

Regularly check the condition of the wiper blades.

1. Lift the wiper arm.
2. Press the release lever and detach the wiper blade.

For wiper blade cleaning, *Exterior Care ⇨ 165*.

Rear wiper

1. Lift the wiper arm.
2. Push the wiper blade, slightly angled to the wiper arm, downwards until it disengages.

For wiper blade cleaning. *Exterior Care ⇨ 165*.

Caution

Properly functioning windscreen wipers are essential for clear vision and safe driving. Regularly check the condition of the wiper

(Continued)

Caution (Continued)

blades. Replace hard, brittle or cracked blades or those that smear dirt on the windscreen.

Foreign material on the windscreen or wiper blades can reduce the effectiveness of the wipers. If the blades are not wiping properly, clean both the windscreen and the blades with a good cleaner or mild detergent, Rinse them thoroughly with water.

Repeat the process, if necessary.

There is no way to remove traces of silicone from glass. Therefore, never apply polish with silicone, wax to your vehicle's windscreen or you will get streaks and blade chatter which will impair the driver's vision.

Do not use solvents, petrol, kerosene, or paint thinner to clean wipers. These are harsh and can damage the blades and painted surfaces.

Bulb Replacement

Contact a trained service technician if unsure about the bulb replacement process.

When replacing bulbs:

- Turn the ignition off and remove the key.
- Turn off related switches.
- Fit bulbs of the specified wattage only.
- Do not touch bulbs or reflectors with bare hands.
- Clean stained bulbs with methylated spirits.

Bulbs to be changed by a Holden Dealer

- Centre high-mounted brake lamp (LED)
- Daytime Running Lamps (LED)

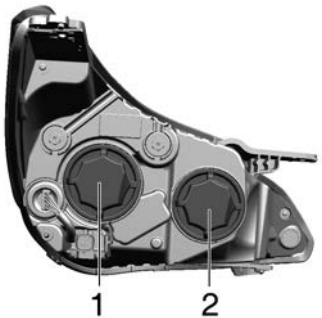
Caution

Condensation may temporarily appear on the inside of exterior lamp lenses after rain or washing the vehicle. Condensation occurs when there is a temperature difference between the inside and outside of the lamp allowing a fine mist on the inside surface of the lamp lens. This condensation will disappear when the vehicle is in a dry environment or the lamp is on. If water does collect in the lamp contact a Holden Dealer.

Replacement Bulbs

Exterior Lamp	Bulb Type	Wattages
Headlamps low and high beam	H7LL/H1LL	55 / 55W
DRL/Park lamps	W21/5WLL	21/5W
Front turn signal lamps	WY21W	21W
Side turn signal lamps	WY5W	5W
Rear Tail/Brake lamps	P21WLL	21W
Rear turn signal lamps	PY21W	21W
Reverse lamps	P21W	21W
Number plate lamps	W5WLL	5W

Headlamps



1. Low beam headlamp
2. High Beam Headlamp/ Park Lamp

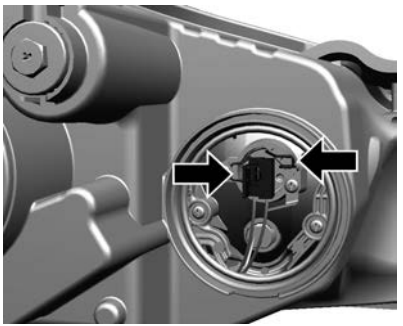
Low Beam

1. Remove the headlamp bulb cover by rotating anticlockwise.

2. Unplug the connector from bulb.
3. Press the spring clip and disengage the bulb.
4. Remove the bulb from the reflector housing.
5. When fitting a new bulb, engage the lugs in the recesses on the reflector and press the spring clip into position.
6. Plug the connector onto bulb.
7. Place the protective cover in the right position and close it.
8. Check lamp operation

High Beam

1. Remove the headlamp bulb cover by rotating anticlockwise.



2. Unplug the connector from bulb.
3. Press the spring clip and disengage the bulb.
4. Remove the bulb from the reflector housing.
5. When fitting a new bulb, engage the lugs in the recesses on the reflector and press the spring clip into position.
6. Plug the connector onto bulb.
7. Place the protective cover in the right position and close it.
8. Check lamp operation

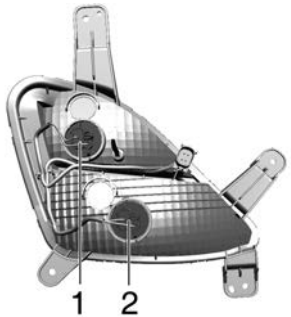
Headlamp aiming

If the headlamps require adjustment, contact a Holden Dealer.

Front turn signal lamps

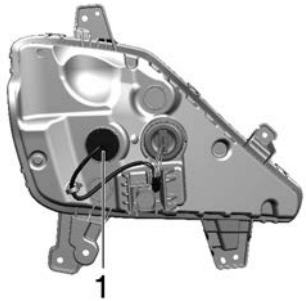
Front Turn Signal and Daytime Running Lamps (DRL)

Type 1



1. Front Turn Signal Lamp
2. Daytime Running Lamp (DRL)

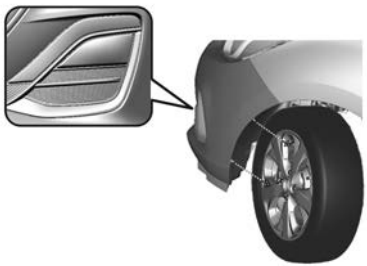
Type 2



1. Front Turn Signal Lamp

Note

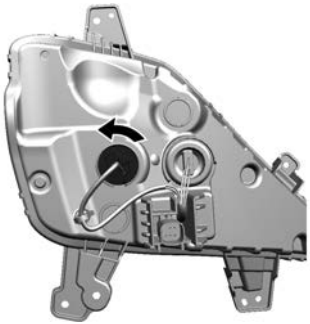
Daytime Running Lamp is LED, see a Holden Dealer.



1. Turn the front wheels and remove 2 push nuts on outside of wheel liner.

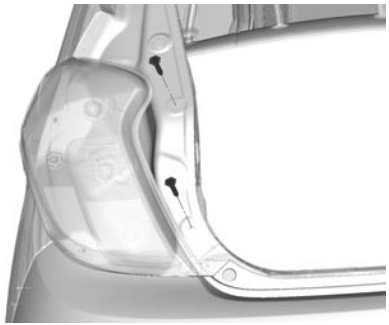
Type 1

Type 2



2. Remove the turn signal lamp or Type 1 DRL bulb rotating anticlockwise.
3. Remove the bulb from the bulb holder by pulling straight out.
4. Install a new bulb into the bulb holder.
5. Reinstall the bulb holder into the lamp assembly by rotating clockwise.
6. Check fitting a wiring harness in the right position.
7. Check lamp operation.

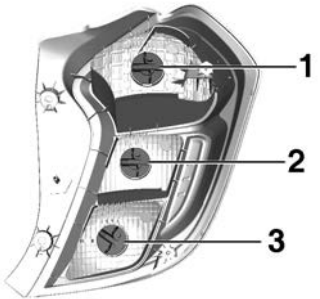
Taillamps, Turn Signal, Stoplamps, and Reverse lamps



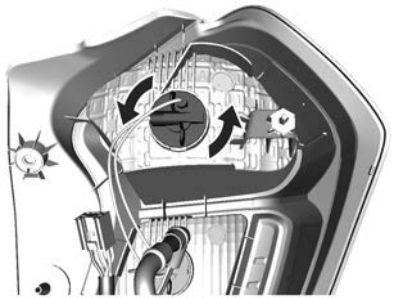
1. Remove the two screws.
2. Remove the tail lamp assembly.

Note

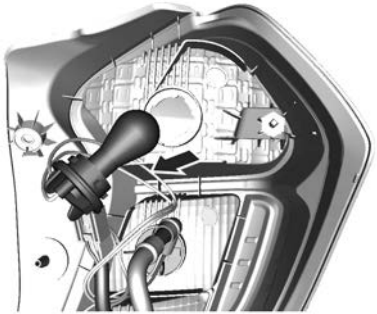
Make sure the cable duct remains in position.



- Tail lamp/brake lamp (1)
- Turn signal lamp (2)
- Reverse lamp (3)

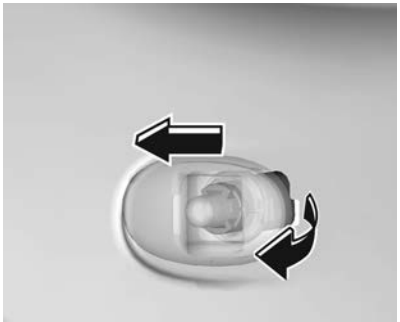


3. Rotate the applicable bulb holder anticlockwise.



4. Push the bulb into the socket slightly and rotate anticlockwise to remove.
5. Insert a new bulb.
6. Insert the bulb holder into the tail lamp assembly and rotate clockwise.
7. Install the tail lamp assembly into the body and tighten the screws.
8. Check lamp operation.

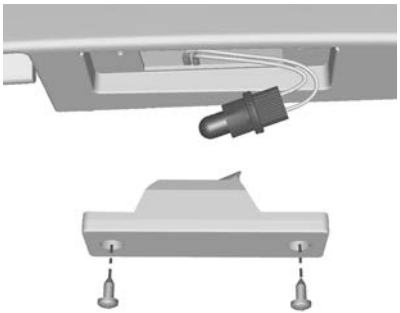
Side Turn Signal Lights



1. Push the lamp towards the front of the vehicle and remove.
2. Rotate the bulb holder anticlockwise and remove from the lamp.
3. Pull bulb out of the bulb holder.
4. Insert a new bulb into the holder.
5. Reinstall the bulb holder into the lamp and rotate it clockwise.
6. Reinstall the lamp.

7. Check lamp operation.

Licence Plate Lamp



1. Unscrew the two screws.
2. Remove the bulb housing by pulling downwards.

   Do not pull on the cable.
3. Rotate the bulb holder anticlockwise to disengage.
4. Remove the bulb from the holder.
5. Insert a new bulb.
6. Insert the bulb holder into the bulb housing and rotate clockwise.
7. Insert the bulb housing and replace the two screws.
8. Check lamp operation.

Interior Lamps

Courtesy lamps

Type 1

Type 2

1. Using a flat-blade screwdriver, prise the lamp assembly outwards, from the side opposite the lamp switch.
2. Remove the bulb.
3. Insert a new bulb.
4. Reinstall the lamp assembly firmly into place.
5. Check lamp operation.

Electrical System

Fuses

⚠ Warning

Turn off the ignition and any electrical equipment before changing a fuse.

- Replace blown fuses promptly.
- A blown fuse can be recognised by its melted wire.
- Do not replace the fuse until the cause of the fault has been remedied.
- Some functions are protected by several fuses.
- The vehicle may not be equipped with all of the fuses, relays and features shown.

Fuse extractor

A fuse extractor is located in the fuse box in the engine compartment.

Place the fuse extractor on the top or side of the fuse to extract the fuse.

Replace the fuse cover securely after use.

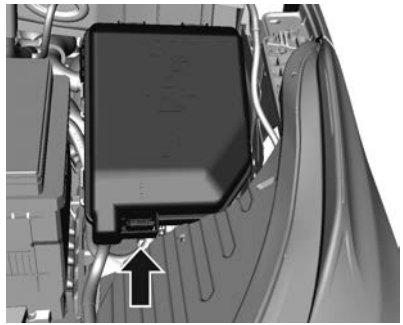
⚠ Warning

Ensure a replacement fuse is the correct amperage.

Never install a wire or similar as it could damage electrical components and cause a fire.

Any improper alterations to the electrical system may cause a fire hazard and engine damage. To maintain your own safety and that of the vehicle, have any work involving the electrical system or the replacement of high current fuses or relays carried out by a Holden Dealer.

Engine Compartment Fuse Block

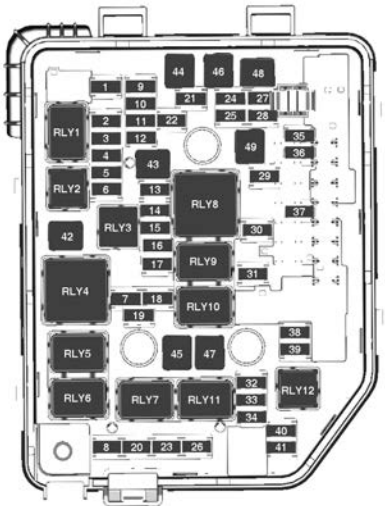


1. To disengage the cover, lift upwards and remove.

Note

- Not all fuse box descriptions may apply to your vehicle.
- When inspecting the fuse box, refer to the fuse box label inside the cover.

Engine compartment fuse box



Fuses

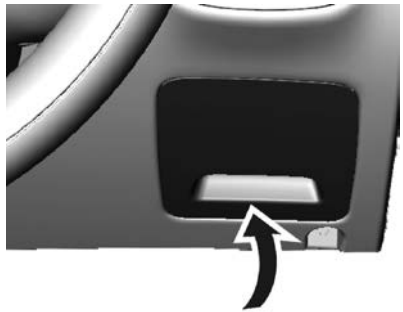
No.	Circuit
1	Tailgate latch
2	Transmission Output Speed Sensor
3	Rear demist
4	Outside rear view mirror heater
5	Sunroof
6	CVT control module
7	Mass air flow sensor
8	-
9	ABS valve
10	Regulated voltage control
11	Rear view camera
12	Central gateway module
13	-
14	ECM/TCM
15	FICM / Starter
16	Fuel pump motor
17	ECM 1
18	ECM 2
19	Injector, Ignition
20	A/C system
21	Intelligent battery sensor
22	Electric steering column lock
23	Cooling fan low
24	Virtual Key pass System Sensor
25	Outside rear view mirror switch
26	ECM/Automated manual transmission module
27	Canister vent solenoid
28	-
29	Auxiliary occupant sensing
30	Headlamp levelling motor
31	Horn
32	Front fog lamp
33	High beam left
34	High beam right
35	Air Quality Ioniser

No.	Circuit
36	Rear wiper motor
37	Cornering lamp left
38	Washer pump motor
39	Cornering lamp right
40	-
41	Virtual Key pass System Sensor
42	Starter 2
43	In-panel bussed electric centre
44	Automated manual transmission/DC-DC converter
45	Starter 1
46	Antilock brake system pump
47	Cooling fan HI
48	Front wiper motor
49	In-panel bussed electric centre accessory/RAP power

Relays

No.	Circuit
1	Rear demist relay
2	TCM relay
3	Fuel pump motor relay
4	STRTR SOL2 relay
5	Air conditioning clutch relay
6	-
7	Fan lo relay
8	RUN/CRNK relay
9	PWR/TRN relay
10	STRTR SOL1 relay
11	Fan HI relay
12	Front fog lamp relay

Instrument Panel Fuse Block



The interior fuse box is located on the underside of the driver side of the instrument panel.

To remove the cover:

1. Pull the fuse panel door out at the bottom to unclip.

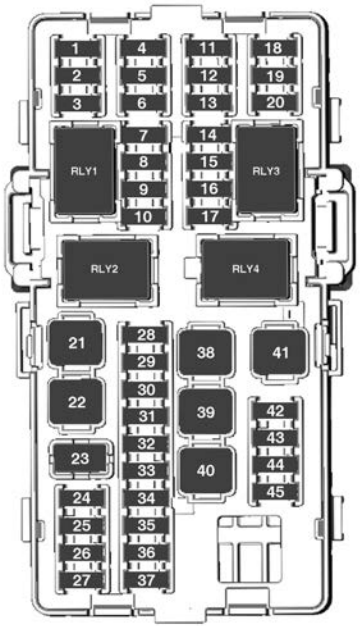
To replace the cover:

1. Locate the fuse panel door at the top.
2. Push the fuse panel door in at the bottom to secure the clips.

Note

Not all fuse box descriptions may apply to your vehicle.

Instrument panel fuse box



Fuses

No.	Circuit
1	Onstar
2	HVAC module
3	Instrument panel cluster
4	Continuously Variable transmission control module
5	Radio
6	Body control module 1 (CVT stop & start)
7	Side blind spot alert/Rear parking assist
8	Data link connection
9	Electric steering column lock
10	Sensing and Diagnostic module
11	DC-DC converter
12	Virtual Key pass System Module
13	Electronic toll collection system

No.	Circuit
14	Linear power module (NON KOR)
15	Passive entry & passive start
16	Discrete logic ignition switch (Non CVT stop & start)
17	Front collision avoidance
18	Instrument panel cluster
19	Reflected LED Alert Display
20	Headlamp levelling switch
21	Front power window
22	Rear power window
23	-
24	Automated manual transmission module
25	Auxiliary power outlet
26	Sunroof
27	Central Gate Module
28	Body control module 8
29	Body control module 7
30	Body control module 6
31	Body control module 5
32	Body control module 4
33	Body control module 3
34	Body control module 2 (Non CVT stop & start)
35	Body control module 1 (Non CVT stop & start)
36	Discrete logic ignition switch (CVT stop & start)
37	Steering wheel controls backlighting
38	Linear power module (KOR Only)
39	Logistic/DC-DC converter
40	Driver express power window
41	Blower motor
42	Front heated seat
43	HVAC module
44	Heated steering wheel
45	Body control module 2 (CVT stop & start)

Relays

No.	Circuit
1	Logistic relay
2	ACC/RAP relay
3	IRAP relay
4	RUN relay

Vehicle Tools

Tools

Tyre repair kit

The vehicle may have an emergency tyre sealant and compressor kit in place of a spare tyre.

The tools, tyre sealant and compressor kit are located below the floor cover, in the load compartment.

Spare tyre

The vehicle may have a spare tyre.

The jack and tools are located in a tool kit, in the load compartment, above the spare wheel.

Wheels and Tyres

Tyre and rim condition

- Do not drive over sharp edges to avoid tyre and rim damage and possible tyre blowout.
- Drive over edges slowly and at right angles, if possible.
- When parking, ensure the tyres are not pressed against the edge of the curb.
- Check the tyres regularly for damage, stones, punctures, cuts, cracks, bulges etc. Check the rims for damage. Contact a Holden Dealer, if in doubt.

Tyre Pressure

Keep the tyres at the recommended pressures to avoid increased fuel consumption, uneven and premature tyre wear.

The correct pressures are shown on the tyre placard and in the tyre pressure table.

Tyre Pressure ⇨ 175.

- Tyre pressure should be checked when cold as tyre pressure will increase as the tyres warm up.
- Check the air pressure of tyres (including the spare) weekly to ensure occupant safety, as well as reducing fuel consumption and increasing the life of the tyres.
- Replace any valve dust caps or extensions.

Tyre placard

The correct pressures for tyres are shown on the tyre placard in the driver's door frame and in the tyre pressure table.

Tyre Pressure ⇨ *175*.

- Always inflate the spare tyre to the pressure specified for maximum load.
- Use the ECO tyre pressure for fuel economy driving at normal load.

Tread Depth

Check tread depth at regular intervals.

- Replace the tyres when they are worn to the point where the tread wear indicators (TWI) appear.

  The tyres originally fitted to the vehicle have built in TWI. These show as plain bars across the tread pattern at regular intervals across the tyre.
- If there is more wear on the front tyres than on the rear tyres, swap the front and rear wheels.
- Tyres age even if they are not used. Replacement of tyres every six years is recommended.

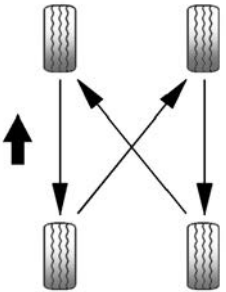
⚠ Warning

Do not attempt to drive on a flat tyre more than is necessary to stop safely. Driving even a short distance can damage the tyre and wheel beyond repair. Tyres which have been repaired or retreaded are not capable of being driven safely at high speeds. Therefore, their use is not recommended.

Tyre Rotation

It is recommended that you rotate tyres at every scheduled maintenance service.

Driving conditions, driving techniques, vehicle loading and weather may warrant more frequent tyre checks and rotation.



Front and rear tyres can wear differently depending on:

- Types of roads driven on
- Driving habits
- Tyre pressures
- Wheel alignment and balance

New tyres should be fitted in pairs to the front. If replacing only one tyre, pair it on the same axle with the least worn of the other three.

Buying New Tyres

Refer to the tyre placard on the vehicle for tyre size and load rating.

Using a different size or type of tyre may affect:

- Ride
- Handling
- Speedometer accuracy
- Vehicle ground clearance
- Tyre clearance
- Tyre chain clearance

⚠ Warning

Do not use different sizes or types of tyres and wheels than those originally fitted to the vehicle. Safety and performance of the vehicle may be affected. It may also affect road handling and lead to serious injury.

When replacing tyres, install all four tyres and wheels of the same size, type, tread, brand and load-carrying capacity.

Wheel Covers

Use wheel covers and tyres that are factory approved for the vehicle and which comply with all of the relevant wheel and tyre combination requirements.

⚠ Warning

Use of incorrect tyres or wheel covers may result in damage to the vehicle and personal injury.

Tyre Chains

⚠ Warning

Holden only recommends use of tyre chains on 14", 15" and 16" wheels.

Due to limited tyre clearances, tyre chains may cause damage to your vehicle. Fitting of tyre chains is at the risk of the owner.

If you choose to fit tyre chains, you should:

- observe all local regulations and recommendations regarding the use of tyre chains;
- use a correctly sized, well-fitted, diamond-pattern tyre chain;
- not exceed speed of 30 km/h;
- stop the vehicle in the event of any unusual noise;
- check the tyres are inflated to the correct pressure. See *Tyre Pressure* ⇨ *150*.

Whenever tyre chains are fitted, switch off the ESC. See *Electronic Stability Control (ESC)* ⇨ *115*.

Tyre Sealant and Compressor Kit

The vehicle may have an emergency tyre sealant and compressor kit, in place of a spare tyre.

The repair kit:

- Repairs minor damage to the tyre tread or sidewall.

  Do not remove any objects that have penetrated the tyre.
- Repairs damage up to 4 mm in the tread area of the tyre.
- Does not repair damage at the tyre's side wall, near the rim.

Take the vehicle to a Holden Dealer to have the tyre repaired or replaced as soon as possible.

⚠ Warning

Do not drive faster than 80 km/h.

Do not drive on the repaired tyre for an extended time. Steering and handling may be affected.

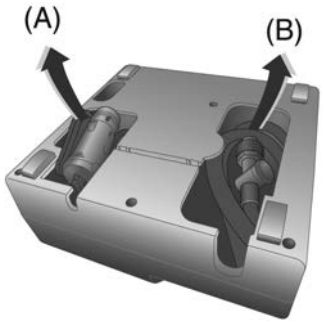
Note

- If unusual noises are heard or the compressor becomes hot, turn the compressor off for at least 30 minutes.
- Check the expiry date on the tyre sealant canister before use. The tyre sealant canister must be replaced before its expiry date.

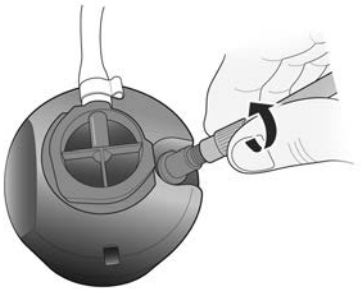
- The compressor and sealant can be used from approximately –30 °C to 70 °C.

Temporary puncture repair

1. Apply the park brake.
2. Place the shift lever into either first or reverse gear, or **P**.
3. Remove the tyre repair kit from the compartment under the floor cover in the load compartment.
4. Remove the compressor and the sealant bottle.



5. Remove the electrical connection cable (A) and air hose (B) on the underside of the compressor.



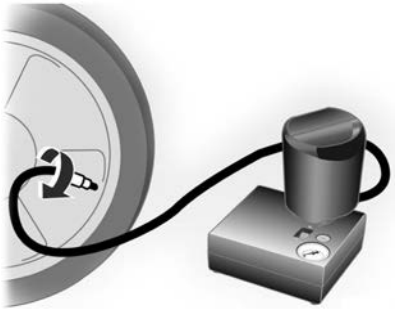
6. Place the switch on the compressor to ◯.
7. Shake the sealant bottle to mix the sealant.
8. Screw the compressor air hose to the connection on the sealant bottle.
9. Connect the compressor plug to the accessory socket.
10. Start the engine and let it idle to ensure the battery does not run down.

Note
If the engine is running, ensure that neutral or **P** is selected and that the parking brake is firmly applied.

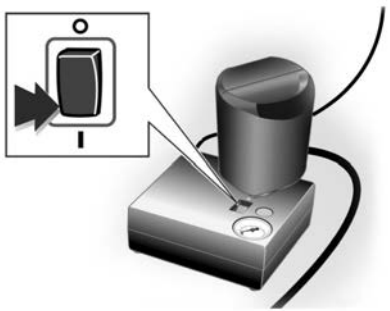
⚠ Warning

Do not run the engine in an enclosed area or with passengers in the vehicle. *Engine Exhaust* ⇨ *105*.

11. Place the compressor near the tyre so that the sealant bottle is upright.
12. Fit the sealant bottle into the retainer on the compressor.



13. Unscrew the valve cap from the defective tyre.
14. Screw the filler hose to the tyre valve.



15. Press the switch on the compressor to I.

    The tyre fills with sealant.

    The compressor pressure gauge briefly indicates up to 88 psi / 600 kPa while the sealant bottle is emptying (approx. 30 seconds).

    The pressure starts to drop.

    Once the sealant is pumped into the tyre, the tyre is inflated.
16. The tyre pressure (approximately 33 psi / 230 kPa) should be obtained within 10 minutes.
17. When the correct pressure is obtained, switch off the compressor.

⚠ Warning

Do not over-inflate tyres due to risk of injury or damage to the tyre.

18. If the tyre pressure is not obtained within 10 minutes:
    - 18.1. Remove the tyre repair kit.
    - 18.2. Move the vehicle one tyre rotation.
    - 18.3. Reattach the tyre repair kit and continue the filling procedure for 10 minutes.

      Do not run the compressor longer than 10 minutes.
    - 18.4. Drain excess tyre pressure with the button near the pressure indicator.

⚠ Warning

If the recommended pressure cannot be reached after approximately 10 minutes, the vehicle should not be driven. The tyre is too severely damaged and the tyre sealant and air compressor kit cannot inflate the tyre. Disconnect and stow the tyre sealant and air compressor kit back in its original position. Contact a Holden Dealer.

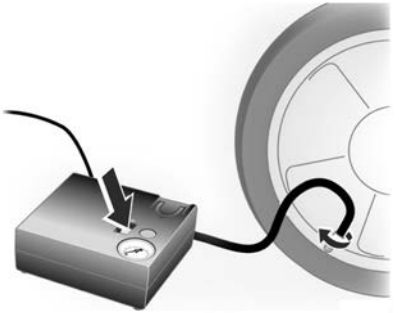
19. Detach the tyre repair kit.
20. Push the catch on the bracket to remove the sealant bottle from the bracket.
21. Unscrew the tyre inflation hose from the sealant bottle. This prevents sealant from escaping.
22. Stow the tyre sealant and air compressor kit in the load compartment.

⚠ Warning

Always stow the tyre sealant and air compressor kit in its original position. Unsecured loads increase the risk of injury during heavy braking, sudden avoidance manoeuvres or a collision.

23. Remove any excess sealant using a cloth.
24. After inflating the tyre, remove the maximum speed label and place it in a visible location.

    It reminds you to drive cautiously and not to exceed 80 km/h until the damaged tyre is replaced or repaired.
25. Continue driving immediately so that sealant is evenly distributed within the tyre.
26. After driving approximately 10 km (but no more than 10 minutes), stop at a safe location to check the tyre pressure.



27. Screw the compressor air hose directly onto the tyre valve and compressor to check the tyre pressure.
28. If the tyre pressure is more than 19 psi / 130 kPa, set it to the correct value (approx. 33 psi / 230 kPa).
29. Repeat the procedure from Step 25 until there is no more loss of pressure.

    If the tyre pressure has fallen below 19 psi / 130 kPa, do not continue driving. Contact a Holden Dealer.

30. Dispose of the used tyre sealant canister at a Holden Dealer or in accordance with local and State codes and practices. Replace with a new canister.
31. Stow the tyre sealant and compressor kit in the load compartment.

This is a temporary puncture repair. Take the vehicle to a Holden Dealer to have the tyre repaired or replaced as soon as possible.

Tyre Changing

The vehicle may have a spare tyre.

⚠ Warning

All passengers must be out of the vehicle when it is being jacked.

Only jack the vehicle on hard, level surfaces.

Ensure moving parts of the jack are adequately lubricated before use.

(Continued)

Warning (Continued)

Use the jack only at the designated lifting points. Use in other locations may result in the vehicle falling off the jack, or damage to the vehicle.

Do not start or run the engine while the vehicle is supported by the jack.

Use the jack only for lifting the vehicle when changing wheels.

Do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack.

The vehicle may have a steel temporary spare wheel. Drive carefully and do not exceed 80 km/h. Although the spare tyre was fully inflated when the vehicle was new, it can lose air over time. Check the inflation pressure regularly.

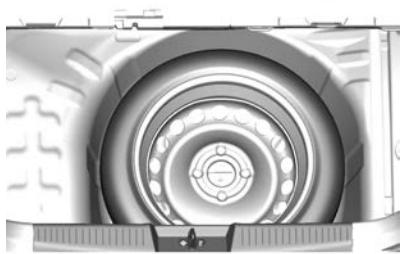
(Continued)

Warning (Continued)

After installing the spare tyre on the vehicle, stop as soon as possible to check the inflation pressure is correct. Have the flat tyre repaired or replaced and installed back on the vehicle as soon as possible.

⚠ Warning

Do not drive faster than 80 km/h.

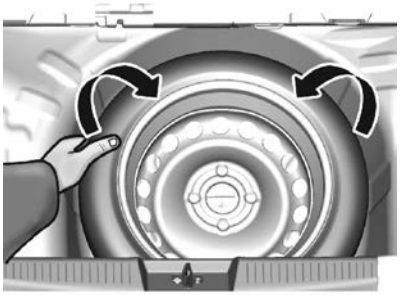


The spare tyre is located in the load compartment beneath the floor covering.

1. Park on a hard, level surface, in a safe location.
2. Apply the park brake firmly.
3. Place the shift lever into reverse gear or **P**.
4. Switch the hazard warning flashers on.
5. Remove the ignition key.
6. Chock the wheel diagonally opposite the flat tyre with a suitable solid object.
7. Remove the rear parcel tray. *Information on Loading the Vehicle ⇨ 40*.
8. Fold down the rear seatback on the driver side:

   Pull the release knob upwards and fold.
9. Remove the tools from the load compartment.

   Lift from the forward face to remove, not from the rear.
10. Undo the wing bolt.



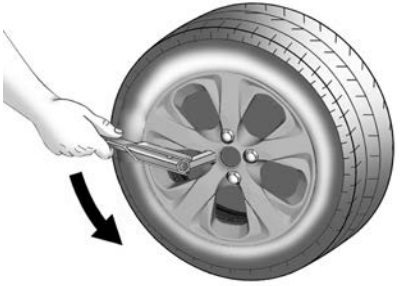
11. Remove the spare wheel from the load compartment:

    Lift from the forward face to remove, not from the rear.
12. Remove the wheel cover, if fitted.

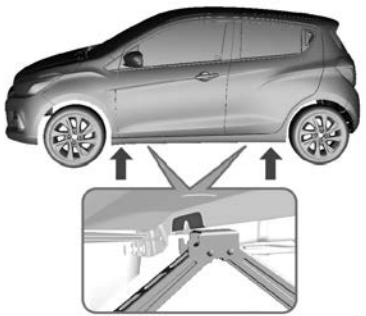
    Using the screwdriver supplied in the tool kit, carefully prise the cover off in several places.

Note

- The screwdriver tip is double-ended; ensure the flat tip is used.
- To protect the wheel cover, wrap a cloth around the screwdriver.



13. Place the wheel wrench over the wheel nuts and loosen by half a turn, but do not remove the wheel nuts.



14. Position the jack beneath the jack location closest to the wheel being changed.

    The locations are identified by cut-outs in the underside of the door sill.

15. Rotate the jack handle to raise the head slightly.

16. Attach the jack handle to the jack and attach the wheel wrench to the jack handle.
17. Wind the jack up by hand until it engages with the jacking point.

    Ensure the jack is not tilted and the base is resting squarely on the ground.

⚠ Warning

Failure to position the jack as described could cause the vehicle to slip off the jack.

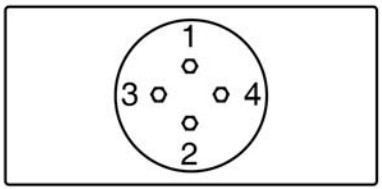
(Continued)

Warning (Continued)

Do not get under a vehicle that is supported by a jack. No person should place any portion of their body under a vehicle that is supported by a jack.

18. Rotate the wrench, checking the correct position of the jack, until the wheel is clear of the ground.
19. Unscrew the wheel nuts and place in a clean, dry place.

20. Exchange the wheel on the vehicle with the spare wheel.
21. Clean the wheel nuts and thread before replacing, then lightly tighten with the wheel nut wrench.
22. Lower the vehicle by reversing the jacking procedure.
23. Remove the jack from under the vehicle.



24. With the wheel on the ground, use the wheel nut wrench to tighten the wheel nuts in the sequence shown.
25. Reinstall the wheel cover, if fitted.

    Align the cutout with the tyre valve and while holding the cover in position, tap around the circumference with your hand.

Note

Ensure the cover is securely attached around the entire circumference.

26. Replace the flat tyre and tools in the load compartment.
27. Lift the rear seatback upwards and push firmly back into place.
28. Have the flat tyre replaced or repaired.

⚠ Warning

As soon as possible after changing a wheel, have the wheel nuts tightened with a torque wrench. Wheel nuts must be tightened evenly to the correct

(Continued)

Warning (Continued)

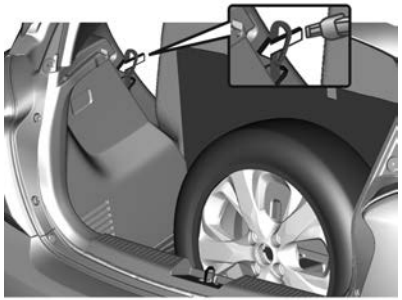
torque, as wheel nuts which have not been tightened properly could eventually allow the wheel to come off while the vehicle is moving. See *Capacities and Specifications* ⇨ *174*.

Storing a replaced wheel in the load compartment using a strap

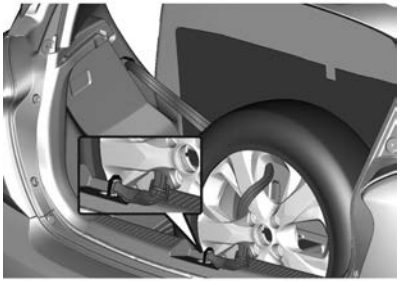
Use the strap located in the tool kit.

Vehicle tools. *Tools* ⇨ *150*.

1. Lift up load compartment floor. Position the tool kit and the damaged wheel to stand upright in the load compartment.
2. Pull the release knob on top of the rear seatback upwards and fold the seatback forwards.



3. Place the loop end of the strap through the seatback latch.
4. Place the hook end of the strap through the loop and pull it until the strap is fastened securely to the seatback latch.



5. Return the seatbacks to their normal position.
6. Thread the strap through the spare wheel as shown and attach the hook to the tailgate latch.
7. Tighten the strap and secure it using the buckle.

Jump Starting

Read the following warnings and procedure in full before attempting to jump start the vehicle.

If you are still unsure about jump starting, Holden strongly recommends for your safety and that of the vehicle that you seek the assistance of a suitably trained service technician.

⚠ Warning

Do not push start or tow start the vehicle. If unburnt fuel were to reach the catalytic converter and ignite, the converter could overheat or be destroyed by backfire. Therefore, if the battery is flat, jump start, but do not push start the vehicle.

Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause

(Continued)

Warning (Continued)

burns. Therefore, adhere to the following when working near a battery:

- Do not attempt jump starting directly from the battery in the engine compartment.
- Do not let the jumper lead clamps touch each other or other metal parts.
- Do not allow the jumper leads to contact any rotating engine components.
- Do not use open flames or sparks near the battery.
- Do not smoke near the battery.
- Never use a quick charger to start the engine.
- The battery must be removed from the vehicle for recharging.

(Continued)

Warning (Continued)

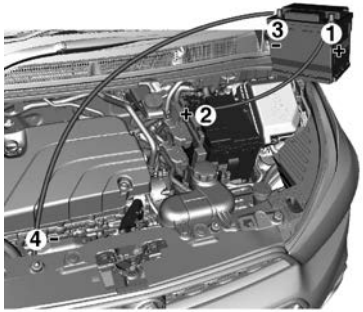
- Wear eye protection such as safety glasses and avoid leaning over the battery.
- Battery acid is corrosive. If it gets on your skin, wash with plenty of water immediately. If it gets in your eyes you should not only flush with lots of water, but should also seek medical help. Battery acid also damages paint and fabrics. To minimise damage, wash it off immediately.
- Remove rings, metal watch bands and other metal jewellery before working around the battery.
- If a permanently connected hands free telephone kit is fitted to the vehicle, remove the fuse for the telephone kit before jump starting. Remember to replace the fuse afterwards.

- A discharged battery can freeze at temperatures of 0 °C.

  Defrost the frozen battery before connecting jumper leads.
- Use a booster battery with the same voltage (12 volts). Its capacity (Ah) must not be much less than that of the discharged battery.
- Use jumper leads with insulated terminals and a cross section of at least 16 mm².
- Do not disconnect the discharged battery from the vehicle.
- Switch off all unnecessary electrical devices.
- The vehicles must not come into contact with each other during the jump starting process.

1. Position the two vehicles so that they are not touching.
2. Apply the park brake.
3. Place the shift lever in neutral.
4. Turn the ignition off.

5. Turn off all lamps and accessories in both vehicles, except the hazard warning flashers or any lights needed for the work area.



6. Connect one end of the RED lead to the positive terminal of the booster battery (1).
7. Connect the other end of the RED lead to the positive terminal of the discharged battery (2).
8. Connect the BLACK lead to the negative terminal of the booster battery (3).
9. Connect the other end of the BLACK lead to a vehicle grounding point, such as the engine block or an engine mounting bolt (4).

   Connect as far away from the discharged battery as possible (at least 60 cm).

Note

Route the leads so that they cannot catch on rotating parts within the engine compartment.

10. Start the engine of the vehicle providing the jump start and allow to idle for at least 5 minutes.
11. Start the engine of the vehicle with the flat battery.

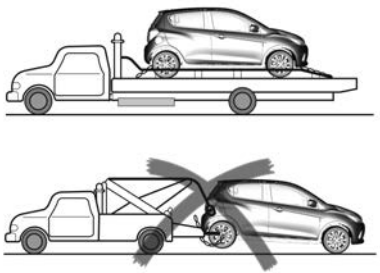
    Start attempts should be made for no longer than 15 seconds at an interval of 1 minute.
12. Allow both engines to idle for approximately 3 minutes with the leads connected.
13. Switch on the headlamps and the heated rear window of the vehicle that received the jump start.
14. Leave the engines running while removing the BLACK negative jumper lead first, followed by the RED positive jumper lead.

Note

While removing each clamp, do not touch any other metal while the other end remains attached.

Towing the Vehicle

Flat-bed tow truck



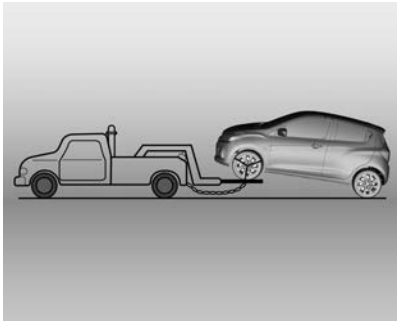
A flat-bed tow truck is the best method of towing the vehicle to avoid damage.

When loading onto a flat-bed tow truck, only use the rear towing eye to pull the vehicle.

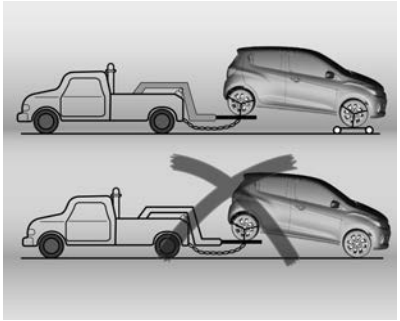
Caution
To prevent damage, do not use the front lashing points for towing the vehicle.

Standard tow truck

If a flat-bed tow truck is not available:



1. Use a standard tow truck, where the front wheels are raised and the rear wheels are in contact with the ground.



2. Alternatively, use a standard tow truck and a towing dolly to prevent the front wheels from contacting the road.

Caution
If the vehicle is towed with the front wheels contacting the road, the vehicle's drive system could be severely damaged.

Appearance Care

Exterior Care

Washing

The paintwork of the vehicle is exposed to environmental influences. Wash and wax regularly. When using automatic vehicle washes, select a programme that includes waxing.

Bird droppings, dead insects, resin, pollen and the like should be cleaned off immediately, as they contain aggressive constituents which can cause paint damage. Failure to do so may result in permanent damage, particularly in hot weather conditions.

Road bloom is a gradual build up of road and environmental grime. This should be removed with a paint cleaner once a year, in addition to normal washing.

If using a vehicle wash, comply with the vehicle wash manufacturer's instructions. Never use an automatic wash that requires anything touching the paint (other than water). The wipers must be switched off. Remove the antenna and external accessories.

If you wash your vehicle by hand, ensure the insides of the wheel housings are also thoroughly rinsed out.

Clean edges and folds on opened doors and the bonnet as well as the areas they cover.

Have the door hinges of all doors greased by a Holden Dealer.

Caution

Do not clean the engine compartment with a steam-jet or high-pressure jet cleaner.

Thoroughly rinse and chamois off the vehicle. Rinse the chamois frequently. Use a separate chamois for painted and glass surfaces: remnants of wax on the windows will impair vision.

Do not use hard objects to remove spots of tar. Use tar removal spray on painted surfaces.

⚠ Warning

Take care when moving the vehicle after washing, in case water has affected the brakes. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with a clear area ahead, until brake performance returns to normal.

Exterior lamps

Headlamp and other lamp covers are made of plastic. Do not use any abrasive, solvent based cleaners or caustic agents and do not dry-clean them.

Caution

Condensation may temporarily appear on the inside of exterior lamp lenses after rain or washing the vehicle. Condensation occurs when there is a temperature difference between the inside and outside of the lamp allowing a fine mist on the inside surface of the lamp lens. This condensation will disappear when the vehicle is in a dry environment or the lamp is on. If water does collect in the lamp contact a Holden Dealer.

Air intakes

Clear debris from the air intakes, between the bonnet and windscreen, and below the front bumper when washing the vehicle.

Polishing and waxing

Wax the vehicle regularly (at the latest when water no longer beads).

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it.

Paintwork polish with silicone forms a protective film, making waxing unnecessary.

Plastic body parts must not be treated with wax or polishing agents.

Windows and windscreen wiper blades

Use a soft lint-free cloth or chamois leather together with window cleaner and insect remover.

- Never use abrasive cleaners to clean glass.
- Refer to a Holden Dealer for windscreen washer additive.
- Old wiper blades can cause windscreen scratching. Regularly inspect and replace them.

Caution

Do not operate the wiper blades by hand as this damages the wiper drive mechanism.

When cleaning the rear window, make sure the heating element inside is not damaged.

Clean smearing wiper blades with a soft cloth and window cleaner.

Wheels and tyres

Do not use high-pressure jet cleaners.

- Remove oil and grease with soap and water or detergent.
- Do not use petrol to clean tyres.
- Use a good quality tyre and bumper shine if required.
- A good quality wheel cleaner can be used for cleaning alloy wheels.
- Do not use abrasive cleaners.

Paintwork damage

Rectify minor paintwork damage with a touch-up pen before rust forms.

Have more extensive damage or rust areas repaired by your Holden Dealer.

Caution
Do not spill coolant on the vehicle's exterior surfaces as it can damage the paintwork. If you do, wash it off immediately.

Underbody

Substances can cause rust under the vehicle.

- Hose the underbody with clean water whenever the vehicle is washed.
- Where the vehicle is exposed to heavy concentrations of corrosive materials, inspect and wash the complete underbody at least once each year, preferably after winter exposure.

Interior Care

⚠ Warning
Many cleaning products are toxic, flammable or may damage the interior. When cleaning the interior, avoid volatile cleaners such as acetone, lacquer thinners, enamel reducers, nail polish removers, or cleaners such as laundry soaps, bleaches or reducing agents. Never use carbon tetrachloride, petrol or naphtha for any cleaning purpose. Ensure that the vehicle is well ventilated while using any cleaners and always follow the cleaning product manufacturer's recommendations. Water based cleaners, rather than solvent based cleaners, are recommended. Steam cleaning of seats is not recommended.

Interior and upholstery

Only clean the vehicle interior, including the instrument panel fascia and panelling, with a dry cloth or interior cleaner.

The instrument panel should only be cleaned using a soft damp cloth.

Clean fabric upholstery with a vacuum cleaner and brush. Remove stains with an upholstery cleaner.

Clean seat belts with a mild, nonabrasive soap and lukewarm water.

After washing thoroughly, sponge the solution out of the belts.

Caution
Close Velcro fasteners as open Velcro fasteners on clothing could damage seat upholstery.

Caution

Use of air fresheners may cause permanent damage to plastics and painted surfaces. If an air freshener comes in contact with any plastic or painted surface in the vehicle, blot immediately and clean with a soft cloth dampened with a mild soap solution.

Damage caused by air fresheners would not be covered by the vehicle warranty.

Plastic and rubber parts

Plastic and rubber parts can be cleaned with the same cleaner as used to clean the body. Use interior cleaner if necessary. Do not use any other agent. Avoid solvents and petrol in particular. Do not use high pressure jet cleaners.

Floor Mats

- Pull up the small peg at the corner to remove the mat.
- Push the mat down onto the peg to replace.

⚠ Warning

If a floor mat is the wrong size or is not properly installed, it can interfere with the accelerator pedal and/or brake pedal.

Interference with the pedals can cause unintended acceleration and/or increased stopping distance which can cause a crash and injury.

Make sure the floor mat does not interfere with the accelerator or brake pedal.

Original equipment and Genuine Holden Accessory floor mats are designed for your vehicle. If the floor mats need replacing, it is recommended that Holden approved floor mats be purchased.

Non-genuine floor mats may not fit properly and may interfere with the accelerator or brake pedal.

Always check that the floor mats do not interfere with the pedals.

- Use the floor mat with the correct side up. Do not turn it over.
- Do not place anything on top of the driver side floor mat.
- Use only a single floor mat on the driver side.
- Do not place one floor mat on top of another.

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General Information

Service Information

In order to ensure economical and safe vehicle operation and to maintain the value of your vehicle, it is of vital importance that all maintenance work is carried out at the proper intervals as specified.

See your Service/Warranty Booklet for the service schedules and for more information.

Engine oil life system

Changing engine oil

The vehicle has a computer system that indicates when to change the engine oil and filter. This is based on a combination of factors which include engine revolutions, engine temperature and kilometres driven.

Based on driving conditions, the kilometres at which an oil change is indicated can vary considerably.

For the oil life system to work properly, the system must be reset every time the oil is changed.

When the system has calculated that oil life has been diminished, it indicates that an oil change is necessary. The vehicle message

Code 82 or Change % (Change engine oil soon) is displayed.

Change the oil as soon as possible within the next 1000 km.

It is possible that, if you are driving under the best conditions, the oil life system may indicate that an oil change is not necessary for a longer period than that shown in the service schedule. However, the engine oil and filter must be changed in accordance with the service schedules outlined in the service booklet.

A Holden dealer has trained service people who will perform this work and reset the system.

To reset the EOLS, *Driver Information Centre (DIC)* ⇨ *56*.

Recommended Fluids, Lubricants, and Parts

Recommended Fluids and Lubricants

Engine type	1.4 L Petrol
Engine oil specification	0W-20 or 5W-30 dexos (dexos 1 Gen 2)
Coolant specification	50% clean fresh water and 50% Dexcool® anti-freeze coolant, conforming to specification number GMW3420
Manual transmission fluid	Shell XGP SAE 75W-85
Continuously Variable Transmission (CVT) Fluid	CVTF-GREEN-2
Brake fluid	DOT 4 Hydraulic brake fluid, conforming to specification number GMW3356
Battery	12 volts, 50 amp hours

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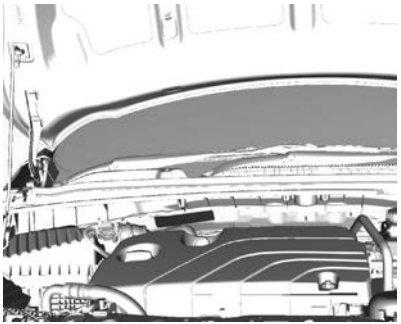
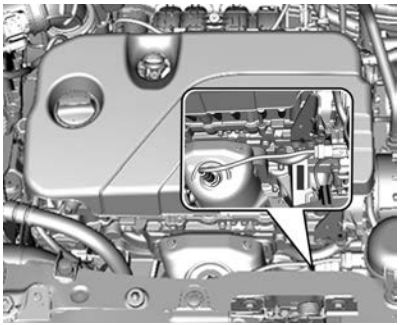
Vehicle Identification

Vehicle Identification Number (VIN)



The vehicle identification number (VIN) is stamped in the engine compartment panel and is also located behind the windscreen on the passenger side.

Engine Identification



The engine serial number is located in the front part of the engine compartment.

Identification Labels

Compliance Label

An identification and compliance label is located on the front passenger door frame.

The label shows:

1 : Approval number

2 : Manufacturer

3 : Category

4 : Number of seats

5 : Vehicle identification number

6 : Compliance date

Built Date Label

The build date label is located on the front left door frame.

The label shows the vehicle Built Date and VIN.

Vehicle Data

Engine Data

Engine type	1.4 L DOHC Petrol
Number of cylinders	4
Engine	1399
Engine power	Please refer to holden.com.au
Engine torque	Please refer to holden.com.au
Petrol octane rating (RON)	Unleaded regular 91 or higher
Ethanol compatibility	E10

Vehicle Weight

Overloading is a safety hazard and could also shorten the life of the vehicle.

Maximum vehicle payloads

Occupants (average 68 kg each)	Luggage (kg)	Total load (kg)
5	68	408

Axle loads

Maximum front and rear axle loads

Do not exceed the maximum axle loads, including the weight of any options or accessories fitted to the vehicle. Weigh at a weighbridge if unsure.

Front axle load (kg)	Rear axle load (kg)
780	750

Dimensions (mm)

Length	Width (excl. mirrors)	Width (inc. mirrors)	Height	Wheel base
3595	1595	1876	1476	2385

The above figures are based on the design dimensions.

Capacities and Specifications

Engine type	1.4 L DOHC Petrol
Refill engine oil including filter (approximately)	4.0 L
Coolant (approximately)	4.0 L
Fuel tank	32.0 L
Wheel nut torque	140 N•m

Tyre Pressure

Tyre size	Wheel size	Recommended pressure													
		Normal load				Eco load				Maximum load				Spare	
		Front		Rear		Front		Rear		Front		Rear			
		kPa	PSI	kPa	PSI	kPa	PSI	kPa	PSI	kPa	PSI	kPa	PSI	kPa	PSI
165/65 R14 SL 79T	14 X 5.0 J	230	33	220	32	270	39	250	36	270	39	270	39	—	—
185/55 R15 SL 82H	15 X 6.0 J	230	33	220	32	270	39	250	36	270	39	270	39	—	—
195/45 R16 SL 84H	16 X 6.0 J	230	33	220	32	270	39	250	36	270	39	270	39	—	—
T105/70 D14 SL 84M	14 X 4.0 T	—												420	60

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Customer Information

Trademarks and Licence Agreements

Trademarks and Licenses

The Bluetooth™ word mark and logo are registered trademarks and are owned by Bluetooth SIG, Inc.

iPod® and iPhone® are registered trademarks of Apple Inc. "Made for iPod" and "Made for iPhone" refer to electronic accessories designed to connect specifically to an iPod or an iPhone that have been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with an iPod or iPhone may affect wireless performance.

Apple CarPlay™ is a trademark of Apple Inc.

Android™, Android Auto™ and Google Play™ are trademarks of Google Inc.

Dexos® and Dexcool® and the associated logos are registered trademarks of General Motors, LLC.

Owner Assistance

Holden Customer Care

At Holden, we want you to be completely satisfied with your ownership experience. This applies to your vehicle and any Holden representative you may deal with.

Refer below for two options for seeking assistance with your query.

Holden Dealerships

Holden encourages you to seek assistance from your Holden Dealership. Each Holden Dealership is equipped to manage any sales, servicing, parts or technical query.

In the instance that you wish to escalate a query to a higher level of staff, further options are available to you.

As a first step, Holden suggests you discuss any concern with the relevant Department Manager (Sales Manager or Service Manager).

Alternatively, the Dealership General Manager or Dealer Principal will also be happy to assist you.

Holden Customer Care Office

Should you wish to speak to a Holden representative, you are welcome to contact the Holden Customer Care team.

Refer below for operating hours and various methods of communication.

Operating Hours

Weekdays: 8am – 7pm AEST (except Victorian public holidays)

Telephone

Holden Customer Care can be telephoned from anywhere within Australia for only the cost of a local call.

The contact number is:

1800 033 349

Email

Alternatively, you may prefer to email Holden at:

holdencustomercare@gm.com

Written Correspondence

You can also write to Holden at the address below:

The Manager
Holden Customer Care Centre
GPO Box 1714
Melbourne 3001

Your written correspondence should clearly outline your concern or query and include:

- Your name and address
- Telephone numbers, both private and business
- Servicing dealer's name and address
- Vehicle model
- Vehicle identification number (I.S.O. VIN), refer to the inside front cover of the Service/ Warranty Booklet in your vehicle's glove box

- Date of purchase
- Current odometer reading

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of the Service & Warranty Booklet in your vehicle's glove box.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

New Zealand

The information in this Owner's Manual applies primarily to Australian Holden vehicles and there may be some differences to the Warranty and Owner Assistance provisions for New Zealand.

Applicable details for New Zealand are set out in the Holden Warranty and Owner Assistance Information booklet enclosed in the New Zealand glovebox wallet.

New Zealand Assistance can be reached on:

0800 HOLDEN (0800 465 336)

This number provides access to New Zealand Roadside Assistance as well as New Zealand Customer Care.

Alternatively, you may prefer to email Holden at:

holdencustomercare@gm.com

You can also write to Holden at the address below:

The Manager
Holden Customer Care Centre
PO Box 11195
Ellerslie
Auckland 1542

Vehicle Data Recording and Privacy

The vehicle has a number of computers that record information about the vehicle's performance and how it is driven or used. For example, the vehicle uses computer modules to monitor and control engine and transmission performance, to monitor the conditions for airbag deployment and deploy them in a crash, and, if equipped, to provide antilock braking to help the driver control the vehicle. These modules may store data to help the dealer technician service the vehicle or to help GM improve safety or features. Some modules may also store data about how the vehicle is operated, such as rate of fuel consumption or average speed. These modules may retain personal preferences, such as radio presets, seat positions, and temperature settings.

Cybersecurity

GM collects information about the use of your vehicle including operational and safety related information. We collect this information to provide, evaluate, improve, and troubleshoot our products and services and to develop new products and services. The protection of vehicle electronics systems and customer data from unauthorised external electronic access or control is important to GM. GM maintains appropriate security standards, practices, guidelines and controls aimed at defending the vehicle and the vehicle service ecosystem against unauthorised electronic access, detecting possible malicious activity in related networks, and responding to suspected cybersecurity incidents in a timely, coordinated and effective manner. Security incidents could impact your safety or compromise your private data. To minimise security risks, please do not connect your vehicle electronic systems to unauthorised devices or connect your vehicle to any unknown or untrusted networks (such as Bluetooth, WIFI or similar technology). In the event that you suspect any security incident impacting your data or the safe operation of your vehicle, please stop operating your vehicle and contact your dealer.

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